

POINT OF CONTACT

Weatherproofing Technologies, Inc.

Curtis Bell

Field Advisor

858-692-7693

cbell@tremcoinc.com

SUBMITTED TO

**City of Oceanside
Public Works Department**

Tony Visco

Sr. Building Maintenance Supervisor

12-30-2025

This proposal includes data that shall not be disclosed to anyone outside of the intended customer of this proposal. Under no circumstances should the data in the proposal or the proposal itself be duplicated, used [except for the intended purpose by the customer], or disclosed – in whole or in part – for any purpose. If a contract is awarded to this offeror because of the submission of this data, the customer may duplicate, use, or disclose to those with a need to know that data but only to the extent provided in any resulting contract. This restriction does not limit the customer's right to use information contained in this data if it is obtained from another source without restriction. This data is confidential information and contains trade secrets subject to 5 U.S.C. § 552(b)(4) and 18 U.S.C. § 1905



WTI is part of Tremco Construction Products Group

COVER LETTER

12/30/2025

RE: City of Oceanside—Roofing Materials for Three Locations

Weatherproofing Technologies Inc. (WTI) is eager to provide roofing materials to the City of Oceanside to protect your building investments and refurbish it's building assets.

We have provided quotes for all three locations as well as the additional information requested.

As your primary point-of-contact for this contract I will help lead the effort to provide the City of Oceanside the products needed to meet your project needs. WTI and Tremco is committed to our clients success and we have a very long and successful track record all across the United States and Canada to back up what we say.

Sincerely,

Curtis Bell
Tremco Roofing & Building Maintenance
Field Advisor
858-692-7693
cbell@tremcoinc.com





REQUEST FOR PROPOSALS (RFP)

Roofing Materials for Three (3) Locations

City of Oceanside
Public Works Department
300 North Coast Highway
Oceanside, CA 92054

RFP Questions due:
Thursday, December 4, 2025, by 3:00pm

RFP Submission due:
Tuesday, December 30, 2025 by 3:00pm

November 20, 2025

Roofing Materials for Three (3) Locations

1. INTENT AND GENERAL INFORMATION

The City of Oceanside, "City", is soliciting proposals from an experienced manufacturing company to provide roofing materials for a 20-year warranty single ply membrane for three (3) City-owned buildings. Manufacturers of the roofing systems will be required to be affiliated with the CMAS Purchasing program in order for the City to purchase all specified materials directly from the manufacturer.

This RFP is for the purchase of roofing materials only, not the installation of materials.

This project will be under the supervision of Tony Visco, Senior Building Maintenance Supervisor, (760) 435-5179.

2. SCOPE OF REQUIRED SERVICES

The City of Oceanside is proposing to restore the roofs at the following locations:

- Fire Station 4:
 - 3990 Lake Blvd., Oceanside, CA 92056
 - Roof size:
 - This roof has three (3) total flat roofing sections
 - Approximately 6,850 sq. ft.
- Joe Balderrama Recreation Center:
 - 709 San Diego St., Oceanside, CA 92058
 - Roof size:
 - Lower roof – approximately 11,500 sq. ft.
 - Upper roof – approximately 3,950 sq. ft.
- Libby Lake Resource Center:
 - 4700 N. River Rd., Oceanside, CA 92057
 - Roof size:
 - This roof has 12 total flat roofing sections, including the covered entrances
 - Excluding the existing metal roof
 - Approximately 6,200 sq. ft.

Material specifics shall include:

- Roof membrane shall be a KEE roof membrane with a minimum thickness of 45 mils, and shall meet the ASTM D-6754 requirements for a Ketone Ethylene Ester roof membrane system.
- System shall be an induction weld retrofit system installed over minimum ½" high density coverboard. For Balderrama, tapered iso crickets to provide positive slope to drain.
- New roof system shall be UL Class A rated, meet wind uplift requirements for each building location, and meet CA Title 24 requirements for reflectivity.

Roofing Materials for Three (3) Locations

3. PROPOSAL REQUIREMENTS

Quote shall include:

- All-in pricing for primary roof system components including, but not limited to, roof membrane, base flashings, induction weld plates, adhesives, sealants, projection flashing membrane, protective walk surface, elastomeric wall coating on exposed parapet walls, and clad termination metal where needed
- Detailed breakdown of cost for each line item
- Sales tax charges and freight charges, if applicable
- Square footage of the entire project broken out by buildings
- Estimated delivery time

Additional items to be included within the proposal:

- Copy of the UL Class A ratings
- 20-year QA NDL (No Dollar Limit) roof system warranty to cover entire roof system, flashings and associated components. Manufacturer shall include a copy of their warranty with their proposal.
- Data sheets for all products listed
- Local certified contractor list within Southern California to bid on upcoming roofing materials installation project
- Adhesion test
- References of previous projects completed utilizing the same/similar system with same/similar size
- Three (3) references of public works projects with contact information within San Diego County

Please note:

- Manufacturer must be listed on CMAS.
- All components submitted must be manufactured by a single-source manufacturer.

4. QUESTIONS, WALK-THROUGH, AND PROPOSAL SUBMISSION

Questions:

Questions should be submitted in writing via bidnetdirect.com no later than 3:00pm on Thursday, December 4, 2025. Responses will be posted to bidnetdirect.com no later than 3:00pm on Wednesday, December 10, 2025.

Walk-through:

Optional walk-through appointments are available during the week of December 15, 2025. Proposers who wish to visit the spaces should request an appointment with José Ávila (javila@oceansideca.org) or Tony Visco (tvisco@oceansideca.org).

Submission:

All RFP submissions must be received in person no later than 3:00pm on Tuesday, December 30, 2025 at the office of:

Roofing Materials for Three (3) Locations

City of Oceanside
Office of City Clerk
300 N. Coast Highway
Second Floor, North Building
Oceanside, CA 92054
Attn: Tony Visco, Senior Building Maintenance Supervisor

One (1) copy of the proposal must be submitted. All proposal submittals must be complete and sealed. Responses shall be submitted in sealed packages with the following information clearly marked on the outside of the package:

**NAME OF PROPOSER
CITY OF OCEANSIDE
REQUEST FOR PROPOSALS (RFP)
ROOFING MATERIALS FOR THREE (3) LOCATIONS**

“DO NOT OPEN WITH REGULAR MAIL”

Submission of responses by email is not acceptable. The proposer is entirely responsible for the means of delivering the proposal to the appropriate office on time. Delays due to internal routing of misdirected proposals or due to verbal directions given by City staff shall be the responsibility of the proposer. Responses must be completed and delivered in sufficient time to avoid disqualification for lateness due to difficulties with delivery. **LATE PROPOSALS WILL NOT BE ACCEPTED.**

Modifications of proposals received after the deadline specified in this section will not be considered.

There will be no public reading of the proposals. The City reserves the right to reject any or all proposals.

5. **SCHEDULE**

The following is a tentative schedule of events:

Date	Event
Thursday, November 20, 2025	Publication of Request for Proposals
Thursday, December 4, 2025 by 3:00pm	Deadline to submit questions via bidnetdirect.com
Wednesday, December 10, 2025 by 3:00pm	Response to questions
Week of December 15, 2025	Optional walkthrough appointments
Tuesday, December 30, 2025, by 3:00pm	Proposal due date

WARRANTY NUMBER:
OWNER:
ADDRESS:
BUILDING DESCRIPTION:
ADDRESS:
ROOF AREA:
DATE OF JOB COMPLETION:
INSTALLATION PRICE:
ROOFING SYSTEM:
INSTALLATION CONTRACTOR:
ADDRESS:

SAMPLE

Tremco Incorporated (hereinafter "Tremco") hereby warrants to the above-named Owner that, subject to the terms, conditions, and limitations stated herein, it will repair leaks and provide the following services to the Owner on the roofing system on the building (hereinafter "TRS") for a period of twenty (20) years from the date of job completion. TRS shall be defined as the weatherproofing assembly and its components, which includes the following: membrane, insulation, flashings, all sheet metal-related details, and termination details as specified by Tremco. The services being offered by Tremco include the following:

A. INSPECTIONS AND HOUSEKEEPING

In years, two (2), five (5), ten (10), and fifteen (15) of this warranty, Tremco shall provide roof inspections, and limited housekeeping services, except as excluded in Section C and Section D, on the TRS. (If a TremCare Service Agreement has been purchased for the TRS in addition to this warranty, these inspections and the related reporting will be carried out as part of the TremCare Service Agreement. The warranty and the TremCare Service Agreement will remain in effect for the warranty period simultaneously.)

Roof inspection services shall include the following:

1. Visual inspection of the roof membrane and roof surface conditions.
2. Inspection of the flashing systems including, but not limited to, the metal edge system, base flashings on equipment and adjoining walls, counterflashings and termination details, soil stacks and vents, and inspection of rooftop projections, and equipment including, but not limited to, pitch pans, HVAC equipment, sky lights, and access hatches.

Roof inspection services do not include:

1. Inspection for water damage or mold growth.
2. Detection or identification of mold.

General rooftop housekeeping services shall include the following: Removal of incidental debris. All debris will be disposed of at the Owner's approved on-site location.

B. ROOF INSPECTION REPORTS

Tremco will provide roof inspection reports to the Owner based upon the inspections as defined in paragraph A. The reports shall become part of the roof database maintained on the Tremco TRS. Tremco will be excused from performing under this warranty if prevented or delayed by events not within its control, including events such as floods, fires, accidents, riots, explosions, governmental order, acts or omissions of contractors or other third parties, inability to access the TRS, etc. Roof inspection reports will not address the presence of water damage to any building components other than the TRS or the presence of mold.



C. OWNER'S RESPONSIBILITIES

It is agreed by the parties that Tremco, by this warranty, does not assume possession or control of any part of the TRS. Control and ownership of the TRS and all parts of the building remains solely with the Owner. The Owner is solely responsible for all requirements imposed by any federal, state or local law, ordinance or regulation, and all repair, maintenance, and other work with respect to the TRS and the building, except as expressly stated by this warranty.

General roof top housekeeping does not eliminate or replace the building Owner=s responsibility for keeping effluent and debris from the roof surface. Customer production-related materials are excluded as part of the housekeeping services. If scheduled cleaning is insufficient to maintain the roof integrity, Owner must pay for additional cleaning/inspections or assume responsibility for such cleanings. Owner agrees that all debris on or removed from the roof is the sole property of Owner, and it is the sole responsibility of Owner to properly dispose of said debris.

The Owner shall, at all times, exercise reasonable care in the use and maintenance of the TRS.

In order to protect the investment this TRS represents, the building Owner must fulfill his responsibilities as outlined in the attached Owner=s Manual. Lack of care and maintenance can have significant damaging effects on the system=s overall performance and is cause for cancellation of this warranty.

SAMPLE

Care and maintenance guidelines include, but are not limited to:

- * Regular ongoing inspection by the Owner - This will allow for implementation of good housekeeping practices and early detection of problems such as any physical damage.
- * Verification that no alterations or unauthorized repairs have been made to the roofing system.

If alterations are being considered, the Owner must notify Tremco in order for the proper authorized follow-up to be completed.

The Owner shall report all leaks which occur in the TRS within the warranty period by contacting Tremco at 1-800-422-1195 and in writing to Tremco Incorporated at 3735 Green Road, Beachwood, Ohio 44122, as soon as possible (however, in no event more than thirty (30) days) after leakage is or should have been discovered. Immediate repair of leaks is critical to prevent water damage and mold growth. In no event is Tremco responsible for any repairs to any part of the building other than the TRS. The liability or expense for such repair is to be assumed and paid by the Owner. If the leak is not within the coverage of this warranty, Tremco shall advise the Owner, and the Owner shall have repairs performed within thirty (30) days according to Tremco specifications by a Tremco certified or approved applicator. The Owner agrees to provide Tremco with unrestricted ready access to the TRS and all areas of the building on which the TRS is located.

D. WARRANTY EXCLUSIONS

This warranty does not cover any leaks or damage or failure of the TRS or any part thereof as a result of:

1. Natural or accidental disasters including, but not limited to, damage caused by lightning, hailstorms, floods, hurricane force winds (74 mph or greater), tornadoes, earthquakes, fire, vandalism, animals, penetration of the membrane, or chemical attack by outside agents.
2. Use of materials not specified by Tremco or unauthorized repairs to the TRS.
3. Any intentional or negligent act on the part of the Owner or any third party including, but not limited to, misuse, traffic, storage of or discharge of materials or effluent on the roof. Any repair of these items will be at Owner's expense.
4. Distortion, expansion or contraction of the TRS caused by faulty original construction or design of building components including parapet walls, copings, chimneys, skylights, vents or roof deck, or lack of positive, proper, or adequate drainage resulting in ponding water on the roof.

E. WARRANTY LIMITATIONS

Tremco shall have no responsibility and or liability under this warranty until all bills for installation, supplies, and services sold in connection with the TRS have been paid in full.

The Owner's rights under this warranty are specific to the Owner and are not transferrable.

Tremco's obligations under this warranty may be voided by Tremco based on any of the events described in Section D, change in usage of the building without the prior written approval of Tremco, repairs, alterations, penetrations of or attachments to the TRS without the prior written approval of Tremco, building settlement, deterioration, cracking or failure of the roof deck, coping and parapet walls, infiltration or condensation of moisture in, through or around walls, copings, underlying structure, hardware or equipment, or failure of the Owner to comply with its obligations described in this warranty.

SAMPLE

F. OTHER TERMS

THIS WARRANTY IS IN LIEU OF ANY AND ALL OTHER WARRANTIES, OBLIGATIONS OR AGREEMENTS, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, AND ANY RIGHTS OR REMEDIES AGAINST ANY PERSON OR ENTITY UNDER THE UNIFORM COMMERCIAL CODE OR OTHERWISE WITH RESPECT TO THE SALE OF GOODS AND/OR SERVICES. THE REMEDIES AND OBLIGATIONS STATED IN THIS WARRANTY ARE THE SOLE AND EXCLUSIVE REMEDIES OF AND OBLIGATIONS TO THE OWNER FOR ANY AND ALL MATTERS ARISING WITH RESPECT TO OR IN ANY WAY CONNECTED WITH THE TRS, OR ITS COMPONENT PRODUCTS, OR ANY GOODS OR SERVICES RELATED THERETO, REGARDLESS OF THE SOURCE OR PROVIDER OF SUCH GOODS OR SERVICES. THE OWNER SHALL PROVIDE WAIVERS OF SUBROGATION UPON REQUEST. NO REPRESENTATIVE OF TREMCO INCORPORATED, OR ANY EMPLOYEE, AGENT OR AFFILIATED COMPANY ("AFFILIATE") HAS AUTHORITY TO VARY OR ALTER THESE TERMS. IN NO EVENT SHALL TREMCO INCORPORATED OR ANY AFFILIATE BE LIABLE FOR ANY DAMAGE TO THE BUILDING ITSELF (OTHER THAN THE TRS), THE CONTENTS OF THE BUILDING, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. THE TOTAL LIABILITY OF TREMCO INCORPORATED, AND ANY AFFILIATE OVER THE LIFE OF THE WARRANTY, SHALL NOT IN ANY EVENT EXCEED IN DOLLAR VALUE THE INSTALLED CONTRACT PRICE OF THE TRS AS IT APPEARS ABOVE, AND THIS TOTAL LIABILITY SHALL BE PRO-RATED ON A STRAIGHT LINE BASIS OVER THE LIFE OF THE WARRANTY, AND TREMCO'S LIABILITY SHALL NOT EXCEED SUCH PRO-RATED AMOUNT. NEITHER TREMCO INCORPORATED OR ANY AFFILIATE SHALL BE LIABLE FOR ANY DAMAGES WHICH ARE BASED UPON NEGLIGENCE, BREACH OF WARRANTY, STRICT LIABILITY OR ANY OTHER THEORY OF LIABILITY OTHER THAN THE EXCLUSIVE LIABILITY SET FORTH IN THIS WARRANTY.

The Owner agrees that this warranty, and the services and remedies set forth herein, are exclusive, and there are no other warranties between the Owner and Tremco or any affiliate. Any unresolved issues under this warranty shall be submitted to the exclusive jurisdiction of the courts of Cuyahoga County, Ohio, and governed by Ohio law.

TREMCO INCORPORATED
ROOFING & BUILDING MAINTENANCE DIVISION

By: _____

Title: Warranty Administrator

Date: _____





City of Oceanside

VENDOR APPLICATION

All vendors working for the City of Oceanside are required to complete and submit the following forms and documentation as outlined below PRIOR to doing business with the City. A vendor is defined as a person or company that sells goods or provides a service to the City. A Professional Service Agreement (PSA), Public Agency Contract, Purchase Orders, etc. does not replace the requirement for completing a Vendor Application Packet. This vendor application packet represents the basic form of a contract.

Please complete this entire packet which includes the following:

1. Page 1 – Vendor Information Form
2. Page 2 – Indemnification Agreement/Insurance Requirements
3. Page 3 – Signed W-9 Form – This form certifies, under penalty of perjury, that the Taxpayer Identification Number is correct and said vendor is not subject to backup withholdings. IRS Code Section 6109 requires vendors to provide the City with the entity's name, taxpayer identification, and ownership status. Payments may be delayed and/or 31% Federal Income Tax will be withheld if vendor fails to submit an IRS W-9 form.
4. Page 9 – Electronic Banking Direct Deposit Form (optional)

Return ALL documentation to your representative you will be working with in the City

Questions? Contact your representative at the City directly, or the Risk Management department.

Email: Vendors@Oceansideca.org Phone: 760-435-3860

VENDOR INFORMATION

Date: 12-22-2025 NAICS Code: 238160 Vendor No: WTI: 363880 Tremco: 257667

Vendor Name: Weatherproofing Technologies, Inc. DBA: N/A

Business Physical Address: 3735 Green Rd.

City: Beachwood State: OH Zip Code: 44122

Sales Contact: Curtis Bell Email Add: Cbell@tremcoinc.com

Sales Contact Phone No: 858.692.7693 Ext: _____

Office Contact: Curtis Bell Email Add: Cbell@tremcoinc.com

Office Contact Phone No: 858.692.7693 Ext: _____

Website Address: https://www.tremcocpg.com/ Fax No: N/A

Remittance Address (If different from above): P O Box 931111-0511

City: Cleveland State: OH Zip Code: 44193

Specific Services/Work Provided: Roofing Materials

Independent Contractor: Yes No Tax ID, or if applicable, SS#: 340930570

City Employee & Dept You Are Working With: Tony Visco, Senior Building Maintenance Supervisor

For City Use Only		For Financial Services Department Use Only			
New Vendor: Yes <input type="checkbox"/> Contract: Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, attach copy of contract.		V#	VT:	Date:	Init:
Requested By:		Dept:		Ext:	
Dept Authorized Signature:		Date:			
Risk Authorized Signature: <input type="checkbox"/>		Date:			

ACKNOWLEDGEMENT OF RECEIPT OF

ADDENDUM #01 (DATED 12-5-25)

ADDENDUM #02 (DATED 12-8-25)

REQUEST FOR PROPOSALS (RFP)

ROOFING MATERIALS FOR THREE (3) LOCATIONS

Signing of this form acknowledges that the Consultant has received Addendum #01 and Addendum #02 and they have read and understand the changes set forth in Addendum #01 and Addendum #02.

This form must be signed by the Consultant's authorized representative and returned with the RFP submission documents.

Authorized Representative James McDonald/ss James McDonald, President WTI/WTC

Name of Consultant Weatherproofing Technologies, Inc.

Date December 23, 2025

Request for Taxpayer Identification Number and Certification

Go to www.irs.gov/FormW9 for instructions and the latest information.

**Give form to the
 requester. Do not
 send to the IRS.**

Before you begin. For guidance related to the purpose of Form W-9, see *Purpose of Form*, below.

Print or type. See Specific Instructions on page 3.	<p>1 Name of entity/individual. An entry is required. (For a sole proprietor or disregarded entity, enter the owner's name on line 1, and enter the business/disregarded entity's name on line 2.)</p> <p>Weatherproofing Technologies Inc.</p>	
	<p>2 Business name/disregarded entity name, if different from above.</p>	
	<p>3a Check the appropriate box for federal tax classification of the entity/individual whose name is entered on line 1. Check only one of the following seven boxes.</p> <p> <input type="checkbox"/> Individual/sole proprietor <input checked="" type="checkbox"/> C corporation <input type="checkbox"/> S corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> LLC. Enter the tax classification (C = C corporation, S = S corporation, P = Partnership) Note: Check the "LLC" box above and, in the entry space, enter the appropriate code (C, S, or P) for the tax classification of the LLC, unless it is a disregarded entity. A disregarded entity should instead check the appropriate box for the tax classification of its owner. <input type="checkbox"/> Other (see instructions) _____ </p>	<p>4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):</p> <p>Exempt payee code (if any) _____</p> <p>Exemption from Foreign Account Tax Compliance Act (FATCA) reporting code (if any) _____</p> <p style="text-align: right;"><i>(Applies to accounts maintained outside the United States.)</i></p>
	<p>3b If on line 3a you checked "Partnership" or "Trust/estate," or checked "LLC" and entered "P" as its tax classification, and you are providing this form to a partnership, trust, or estate in which you have an ownership interest, check this box if you have any foreign partners, owners, or beneficiaries. See instructions <input type="checkbox"/></p>	
	<p>5 Address (number, street, and apt. or suite no.). See instructions.</p> <p>3735 Green Rd.</p>	<p>Requester's name and address (optional)</p>
	<p>6 City, state, and ZIP code</p> <p>Beachwood, OH 44122-5705</p>	
	<p>7 List account number(s) here (optional)</p>	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. See also *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number										
or										
Employer identification number										
3	4		0	9	3	0	5	7	0	

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and, generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here	Signature of U.S. person <i>Karen Pollard</i>	Date <i>5-19-25</i>
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General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

What's New

Line 3a has been modified to clarify how a disregarded entity completes this line. An LLC that is a disregarded entity should check the appropriate box for the tax classification of its owner. Otherwise, it should check the "LLC" box and enter its appropriate tax classification.

New line 3b has been added to this form. A flow-through entity is required to complete this line to indicate that it has direct or indirect foreign partners, owners, or beneficiaries when it provides the Form W-9 to another flow-through entity in which it has an ownership interest. This change is intended to provide a flow-through entity with information regarding the status of its indirect foreign partners, owners, or beneficiaries, so that it can satisfy any applicable reporting requirements. For example, a partnership that has any indirect foreign partners may be required to complete Schedules K-2 and K-3. See the Partnership Instructions for Schedules K-2 and K-3 (Form 1065).

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS is giving you this form because they

Request for Taxpayer Identification Number and Certification

**Give Form to the
 requester. Do not
 send to the IRS.**

▶ Go to www.irs.gov/FormW9 for instructions and the latest information.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.
This is an out of date form, we have inserted an updated W-9 in front of this form.

2 Business name/disregarded entity name, if different from above
 N/A

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes.

Individual/sole proprietor or single-member LLC

Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____

Other (see instructions) ▶

C Corporation

S Corporation

Partnership

Trust/estate

Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) _____

Exemption from FATCA reporting code (if any) _____

(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions

Requester's name and address (optional)

6 City, state, and ZIP code

7 List account number(s) here (optional)

Print or type.
See Specific Instructions on page 3.

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number

	-		-	
--	---	--	---	--

or

Employer identification number

	-	
--	---	--

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here

Signature of U.S. person ▶

Date ▶

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.

By signing the filled-out form, you:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting*, later, for further information.

Note: If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien;
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States;
- An estate (other than a foreign estate); or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax under section 1446 on any foreign partners' share of effectively connected taxable income from such business. Further, in certain cases where a Form W-9 has not been received, the rules under section 1446 require a partnership to presume that a partner is a foreign person, and pay the section 1446 withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid section 1446 withholding on your share of partnership income.

In the cases below, the following person must give Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States.

- In the case of a disregarded entity with a U.S. owner, the U.S. owner of the disregarded entity and not the entity;
- In the case of a grantor trust with a U.S. grantor or other U.S. owner, generally, the U.S. grantor or other U.S. owner of the grantor trust and not the trust; and
- In the case of a U.S. trust (other than a grantor trust), the U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

Foreign person. If you are a foreign person or the U.S. branch of a foreign bank that has elected to be treated as a U.S. person, do not use Form W-9. Instead, use the appropriate Form W-8 or Form 8233 (see Pub. 515, *Withholding of Tax on Nonresident Aliens and Foreign Entities*).

Nonresident alien who becomes a resident alien. Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items.

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
4. The type and amount of income that qualifies for the exemption from tax.
5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

Example. Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity, give the requester the appropriate completed Form W-8 or Form 8233.

Backup Withholding

What is backup withholding? Persons making certain payments to you must under certain conditions withhold and pay to the IRS 24% of such payments. This is called "backup withholding." Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, payments made in settlement of payment card and third party network transactions, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

Payments you receive will be subject to backup withholding if:

1. You do not furnish your TIN to the requester.
2. You do not certify your TIN when required (see the instructions for Part II for details).
3. The IRS tells the requester that you furnished an incorrect TIN.
4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or
5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See *Exempt payee code*, later, and the separate Instructions for the Requester of Form W-9 for more information.

Also see *Special rules for partnerships*, earlier.

What is FATCA Reporting?

The Foreign Account Tax Compliance Act (FATCA) requires a participating foreign financial institution to report all United States account holders that are specified United States persons. Certain payees are exempt from FATCA reporting. See *Exemption from FATCA reporting code*, later, and the Instructions for the Requester of Form W-9 for more information.

Updating Your Information

You must provide updated information to any person to whom you claimed to be an exempt payee if you are no longer an exempt payee and anticipate receiving reportable payments in the future from this person. For example, you may need to provide updated information if you are a C corporation that elects to be an S corporation, or if you no longer are tax exempt. In addition, you must furnish a new Form W-9 if the name or TIN changes for the account; for example, if the grantor of a grantor trust dies.

Penalties

Failure to furnish TIN. If you fail to furnish your correct TIN to a requester, you are subject to a penalty of \$50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

Civil penalty for false information with respect to withholding. If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a \$500 penalty.

Criminal penalty for falsifying information. Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

Misuse of TINs. If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

Specific Instructions

Line 1

You must enter one of the following on this line; do not leave this line blank. The name should match the name on your tax return.

If this Form W-9 is for a joint account (other than an account maintained by a foreign financial institution (FFI)), list first, and then circle, the name of the person or entity whose number you entered in Part I of Form W-9. If you are providing Form W-9 to an FFI to document a joint account, each holder of the account that is a U.S. person must provide a Form W-9.

a. **Individual.** Generally, enter the name shown on your tax return. If you have changed your last name without informing the Social Security Administration (SSA) of the name change, enter your first name, the last name as shown on your social security card, and your new last name.

Note: ITIN applicant: Enter your individual name as it was entered on your Form W-7 application, line 1a. This should also be the same as the name you entered on the Form 1040/1040A/1040EZ you filed with your application.

b. **Sole proprietor or single-member LLC.** Enter your individual name as shown on your 1040/1040A/1040EZ on line 1. You may enter your business, trade, or "doing business as" (DBA) name on line 2.

c. **Partnership, LLC that is not a single-member LLC, C corporation, or S corporation.** Enter the entity's name as shown on the entity's tax return on line 1 and any business, trade, or DBA name on line 2.

d. **Other entities.** Enter your name as shown on required U.S. federal tax documents on line 1. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on line 2.

e. **Disregarded entity.** For U.S. federal tax purposes, an entity that is disregarded as an entity separate from its owner is treated as a "disregarded entity." See Regulations section 301.7701-2(c)(2)(iii). Enter the owner's name on line 1. The name of the entity entered on line 1 should never be a disregarded entity. The name on line 1 should be the name shown on the income tax return on which the income should be reported. For example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a single owner that is a U.S. person, the U.S. owner's name is required to be provided on line 1. If the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity's name on line 2, "Business name/disregarded entity name." If the owner of the disregarded entity is a foreign person, the owner must complete an appropriate Form W-8 instead of a Form W-9. This is the case even if the foreign person has a U.S. TIN.

Line 2

If you have a business name, trade name, DBA name, or disregarded entity name, you may enter it on line 2.

Line 3

Check the appropriate box on line 3 for the U.S. federal tax classification of the person whose name is entered on line 1. Check only one box on line 3.

IF the entity/person on line 1 is a(n) . . .	THEN check the box for . . .
• Corporation	Corporation
• Individual • Sole proprietorship, or • Single-member limited liability company (LLC) owned by an individual and disregarded for U.S. federal tax purposes.	Individual/sole proprietor or single-member LLC
• LLC treated as a partnership for U.S. federal tax purposes, • LLC that has filed Form 8832 or 2553 to be taxed as a corporation, or • LLC that is disregarded as an entity separate from its owner but the owner is another LLC that is not disregarded for U.S. federal tax purposes.	Limited liability company and enter the appropriate tax classification. (P= Partnership; C= C corporation; or S= S corporation)
• Partnership	Partnership
• Trust/estate	Trust/estate

Line 4, Exemptions

If you are exempt from backup withholding and/or FATCA reporting, enter in the appropriate space on line 4 any code(s) that may apply to you.

Exempt payee code.

- Generally, individuals (including sole proprietors) are not exempt from backup withholding.
 - Except as provided below, corporations are exempt from backup withholding for certain payments, including interest and dividends.
- Corporations are not exempt from backup withholding for payments made in settlement of payment card or third party network transactions.
- Corporations are not exempt from backup withholding with respect to attorneys' fees or gross proceeds paid to attorneys, and corporations that provide medical or health care services are not exempt with respect to payments reportable on Form 1099-MISC.

The following codes identify payees that are exempt from backup withholding. Enter the appropriate code in the space in line 4.

- 1—An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2)
- 2—The United States or any of its agencies or instrumentalities
- 3—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities
- 4—A foreign government or any of its political subdivisions, agencies, or instrumentalities
- 5—A corporation
- 6—A dealer in securities or commodities required to register in the United States, the District of Columbia, or a U.S. commonwealth or possession
- 7—A futures commission merchant registered with the Commodity Futures Trading Commission
- 8—A real estate investment trust
- 9—An entity registered at all times during the tax year under the Investment Company Act of 1940
- 10—A common trust fund operated by a bank under section 584(a)
- 11—A financial institution
- 12—A middleman known in the investment community as a nominee or custodian
- 13—A trust exempt from tax under section 664 or described in section 4947

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 13.

IF the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt payees except for 7
Broker transactions	Exempt payees 1 through 4 and 6 through 11 and all C corporations. S corporations must not enter an exempt payee code because they are exempt only for sales of noncovered securities acquired prior to 2012.
Barter exchange transactions and patronage dividends	Exempt payees 1 through 4
Payments over \$600 required to be reported and direct sales over \$5,000 ¹	Generally, exempt payees 1 through 5 ²
Payments made in settlement of payment card or third party network transactions	Exempt payees 1 through 4

¹ See Form 1099-MISC, Miscellaneous Income, and its instructions.

² However, the following payments made to a corporation and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, gross proceeds paid to an attorney reportable under section 6045(f), and payments for services paid by a federal executive agency.

Exemption from FATCA reporting code. The following codes identify payees that are exempt from reporting under FATCA. These codes apply to persons submitting this form for accounts maintained outside of the United States by certain foreign financial institutions. Therefore, if you are only submitting this form for an account you hold in the United States, you may leave this field blank. Consult with the person requesting this form if you are uncertain if the financial institution is subject to these requirements. A requester may indicate that a code is not required by providing you with a Form W-9 with "Not Applicable" (or any similar indication) written or printed on the line for a FATCA exemption code.

A—An organization exempt from tax under section 501(a) or any individual retirement plan as defined in section 7701(a)(37)

B—The United States or any of its agencies or instrumentalities

C—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities

D—A corporation the stock of which is regularly traded on one or more established securities markets, as described in Regulations section 1.1472-1(c)(1)(i)

E—A corporation that is a member of the same expanded affiliated group as a corporation described in Regulations section 1.1472-1(c)(1)(i)

F—A dealer in securities, commodities, or derivative financial instruments (including notional principal contracts, futures, forwards, and options) that is registered as such under the laws of the United States or any state

G—A real estate investment trust

H—A regulated investment company as defined in section 851 or an entity registered at all times during the tax year under the Investment Company Act of 1940

I—A common trust fund as defined in section 584(a)

J—A bank as defined in section 581

K—A broker

L—A trust exempt from tax under section 664 or described in section 4947(a)(1)

M—A tax exempt trust under a section 403(b) plan or section 457(g) plan

Note: You may wish to consult with the financial institution requesting this form to determine whether the FATCA code and/or exempt payee code should be completed.

Line 5

Enter your address (number, street, and apartment or suite number). This is where the requester of this Form W-9 will mail your information returns. If this address differs from the one the requester already has on file, write NEW at the top. If a new address is provided, there is still a chance the old address will be used until the payor changes your address in their records.

Line 6

Enter your city, state, and ZIP code.

Part I. Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN.

If you are a single-member LLC that is disregarded as an entity separate from its owner, enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

Note: See *What Name and Number To Give the Requester*, later, for further clarification of name and TIN combinations.

How to get a TIN. If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local SSA office or get this form online at www.SSA.gov. You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at www.irs.gov/Businesses and clicking on Employer Identification Number (EIN) under Starting a Business. Go to www.irs.gov/Forms to view, download, or print Form W-7 and/or Form SS-4. Or, you can go to www.irs.gov/OrderForms to place an order and have Form W-7 and/or SS-4 mailed to you within 10 business days.

If you are asked to complete Form W-9 but do not have a TIN, apply for a TIN and write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

Note: Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

Caution: A disregarded U.S. entity that has a foreign owner must use the appropriate Form W-8.

Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if item 1, 4, or 5 below indicates otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). In the case of a disregarded entity, the person identified on line 1 must sign. Exempt payees, see *Exempt payee code*, earlier.

Signature requirements. Complete the certification as indicated in items 1 through 5 below.

1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983. You must give your correct TIN, but you do not have to sign the certification.

2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983. You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

3. Real estate transactions. You must sign the certification. You may cross out item 2 of the certification.

4. Other payments. You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments made in settlement of payment card and third party network transactions, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), ABLÉ accounts (under section 529A), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions. You must give your correct TIN, but you do not have to sign the certification.

What Name and Number To Give the Requester

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account) other than an account maintained by an FFI	The actual owner of the account or, if combined funds, the first individual on the account ¹
3. Two or more U.S. persons (joint account maintained by an FFI)	Each holder of the account
4. Custodial account of a minor (Uniform Gift to Minors Act)	The minor ²
5. a. The usual revocable savings trust (grantor is also trustee)	The grantor-trustee ¹
b. So-called trust account that is not a legal or valid trust under state law	The actual owner ¹
6. Sole proprietorship or disregarded entity owned by an individual	The owner ³
7. Grantor trust filing under Optional Form 1099 Filing Method 1 (see Regulations section 1.671-4(b)(2)(i)(A))	The grantor ⁴
For this type of account:	Give name and EIN of:
8. Disregarded entity not owned by an individual	The owner
9. A valid trust, estate, or pension trust	Legal entity ⁴
10. Corporation or LLC electing corporate status on Form 8832 or Form 2553	The corporation
11. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
12. Partnership or multi-member LLC	The partnership
13. A broker or registered nominee	The broker or nominee

For this type of account:	Give name and EIN of:
14. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity
15. Grantor trust filing under the Form 1041 Filing Method or the Optional Form 1099 Filing Method 2 (see Regulations section 1.671-4(b)(2)(i)(B))	The trust

¹ List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

² Circle the minor's name and furnish the minor's SSN.

³ You must show your individual name and you may also enter your business or DBA name on the "Business name/disregarded entity" name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

⁴ List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see *Special rules for partnerships*, earlier.

*Note: The grantor also must provide a Form W-9 to trustee of trust.

Note: If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

Secure Your Tax Records From Identity Theft

Identity theft occurs when someone uses your personal information such as your name, SSN, or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN.
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax preparer.

If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter.

If your tax records are not currently affected by identity theft but you think you are at risk due to a lost or stolen purse or wallet, questionable credit card activity or credit report, contact the IRS Identity Theft Hotline at 1-800-908-4490 or submit Form 14039.

For more information, see Pub. 5027, Identity Theft Information for Taxpayers.

Victims of identity theft who are experiencing economic harm or a systemic problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-4059.

Protect yourself from suspicious emails or phishing schemes. Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to phishing@irs.gov. You may also report misuse of the IRS name, logo, or other IRS property to the Treasury Inspector General for Tax Administration (TIGTA) at 1-800-366-4484. You can forward suspicious emails to the Federal Trade Commission at spam@uce.gov or report them at www.ftc.gov/complaint. You can contact the FTC at www.ftc.gov/idtheft or 877-IDTHEFT (877-438-4338). If you have been the victim of identity theft, see www.IdentityTheft.gov and Pub. 5027.

Visit www.irs.gov/IdentityTheft to learn more about identity theft and how to reduce your risk.

Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons (including federal agencies) who are required to file information returns with the IRS to report interest, dividends, or certain other income paid to you; mortgage interest you paid; the acquisition or abandonment of secured property; the cancellation of debt; or contributions you made to an IRA, Archer MSA, or HSA. The person collecting this form uses the information on the form to file information returns with the IRS, reporting the above information. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation and to cities, states, the District of Columbia, and U.S. commonwealths and possessions for use in administering their laws. The information also may be disclosed to other countries under a treaty, to federal and state agencies to enforce civil and criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism. You must provide your TIN whether or not you are required to file a tax return. Under section 3406, payers must generally withhold a percentage of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to the payer. Certain penalties may also apply for providing false or fraudulent information.



City of Oceanside

Direct Deposit Form

Fed. ID # 95-1688570

AUTHORIZATION AGREEMENT FOR AUTOMATIC DEPOSITS

I hereby authorize The City of Oceanside, hereafter called City, to initiate payments to my account as indicated below.

Select One: New Authorization Cancellation

Type of Account: Checking (Void Check Required)

Savings

Payee Name (Please Print)	Tax ID or Social Security Number
Weatherproofing Technologies, Inc.	34-0930570

Bank Account Name (if different from payee name)	DBA
Weatherproofing Technologies, Inc.	Weatherproofing Technologies, Inc.

Depository Name (Bank or Credit Union Name)	Branch
PNC Bank	

Transit Routing Number

0	4	3	0	0	0	0	9	6
---	---	---	---	---	---	---	---	---

Must be 9 digits

Account Number

1	1	3	1	3	6	9	2	2	4			
---	---	---	---	---	---	---	---	---	---	--	--	--

This authority is to remain in effect until City has received written notification from me of its termination in such time and such manner as to afford City and Depository a reasonable opportunity to act.

Print Name: James McDonald

Phone: 216-292-5000

Title: President

Email: contracts@tremcoinc.com

Authorized Signature: *James McDonald/ss*

Date: 12/23/25

REMEMBER TO:

1. Sign and Date
2. Attach a Voided Check (checking accounts only)
3. Verify Numbers with your Financial Institution

NOTE: Direct Deposit is subject to electronic prenotification to your bank. This process takes at least two payment cycles to complete.

For City Use Only		
Vendor #:	K/P Date:	K/P by:



July 7th, 2025

To Whom It May Concern:

Please allow this memo to serve as confirmation that Weatherproofing Technologies Inc has an established checking account with PNC Bank NA. The account information and ACH & Wire instructions are as follows:

Account Number:	1131369224
Legal Title / Sub-title:	Weatherproofing Technologies Inc
Account Type:	Checking
Routing (ABA) ACH & Wire:	043000096
SWIFT:	PNCCUS33
Bank Address:	PNC Bank NA 500 First Ave Pittsburgh, PA 15219 1-800-669-1518

Please note, this letter is confirmation the account information is accurate and up to date. If contacting PNC Bank NA, the bank contact can only confirm the validity of the information contained within this letter.

Sincerely,

A handwritten signature in black ink, appearing to read "Josh Gulley", written over a light blue horizontal line.

Josh Gulley
Vice President
Relationship Service Advisor
PNC Bank N.A.
Treasury Management
Joshua.gulley@pnc.com
937-845-1316



City of Oceanside

Vendor Name: Weatherproofing Technologies, Inc.

INSURANCE REQUIREMENTS

The City may require a vendor to provide specific insurance as outlined below. The City reserves the right to increase the minimum insurance requirements listed below, or require other types of insurance, not listed below, based on the type of work or services the vendor will be performing for the City.

The minimum insurance and/or requirements are:

During the term of this written agreement, VENDOR shall maintain in full force, the insurance and limits specified below, as deemed applicable.

- a) Comprehensive General Liability Insurance OR Commercial General Liability Insurance with a \$2,000,000 combined single limit for each occurrence and \$4,000,000 General Aggregate
- b) Additional Insured Endorsement naming the City of Oceanside as an additional insured on the General Liability policy (CG 20 10 or equivalent) for ongoing operations.
- c) Additional Insured Endorsement naming the City of Oceanside as an additional insurance on the General Liability policy (CG 20 37 or equivalent) for completed operations (if applicable)
- d) Primary and Non-Contributory endorsement for the General Liability policy
- e) Waiver of Subrogation for the General Liability policy
- f) Comprehensive Auto Liability (including owned, non-owned and hired automobile hazards) with a \$1,000,000 combined single limit for each occurrence
- g) Workers' Compensation and Employer's Liability complying with any statutory requirements, or proof of exemption of such coverage
- h) Waiver of Subrogation for the Workers' Compensation policy
- i) Errors & Omissions with a \$2,000,000 minimum coverage for each occurrence (if applicable)
- j) Cyber Liability Policy with a \$2,000,000 combined single limit for each occurrence (if applicable)
- k) Pollution Liability Policy with a \$2,000,000 limit for each occurrence (if applicable)

All certificates of insurance need to have the "CERTIFICATE HOLDER" box to read:

City of Oceanside
300 N Coast Hwy
Oceanside, CA 92054

INDEMNITY AGREEMENT

"VENDOR'S INDEMNIFICATION OF CITY. To the greatest extent allowed by law, VENDOR shall indemnify and hold harmless the CITY and its officers, agents and employees against all claims, demands or liability for damages to persons or property arising out of or resulting from VENDOR's performance under any agreement with the CITY, except for those claims arising from the willful misconduct, sole negligence or active negligence of the CITY, its officers, agents, or employees. VENDOR'S indemnification shall include any and all costs, expenses, attorney's fees, expert fees and liability assessed against or incurred by the CITY, its officers, agents, or employees in defending against such claims or lawsuits, whether the same proceed to judgment or not. Further, VENDOR at its own expense shall, upon written request by the CITY, defend any such suit or action brought against the CITY, its officers, agents, or employees resulting or arising from the conduct, tortious acts or omissions of the VENDOR. VENDOR'S indemnification of CITY shall not be limited by any prior or subsequent declaration by the VENDOR."

The undersigned is authorized to, and hereby does, agree to the above terms and conditions on behalf of the Vendor.

James McDonald/ss
Signature

James McDonald

Print Name

December 23, 2025
Date

President WTI/WTC

Title



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
03/26/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER MARSH USA LLC. 200 Public Square, Suite 3760 Cleveland, OH 44114-1824		CONTACT NAME: PHONE (A/C No. Ext): FAX (A/C, No): E-MAIL ADDRESS:	
CN102302710-RPM-Cas-25-26	WEATH	033127	INSURER(S) AFFORDING COVERAGE
			INSURER A: First Continental Services Co.
			INSURER B: Zurich American Insurance Company
			INSURER C: N/A
			INSURER D: American Zurich Insurance Company
			INSURER E:
			INSURER F:
INSURED Weatherproofing Technologies, Inc. 3735 Green Rd. Beachwood, OH 44122		NAIC # 16535 N/A 40142	

COVERAGES **CERTIFICATE NUMBER:** CLE-006513541-16 **REVISION NUMBER:** 6

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			1-GLRPM-01/2025	04/01/2025	04/01/2026	EACH OCCURRENCE \$ 5,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 5,000,000 GENERAL AGGREGATE \$ 10,000,000 PRODUCTS - COMP/OP AGG \$ 4,000,000
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			BAP 9258789 18	04/01/2025	04/01/2026	COMBINED SINGLE LIMIT (Ea accident) \$ 5,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$
B D B D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	WC 9258790 18 (MA, PR, WI) WC 9258788 18 (AOS) EWS 5965995 17 (XS OH-\$500k SIR) WC 7121392 03 (TX)	04/01/2025 04/01/2025 04/01/2025 04/01/2025	04/01/2026 04/01/2026 04/01/2026 04/01/2026	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 2,000,000 E.L. DISEASE - EA EMPLOYEE \$ 2,000,000 E.L. DISEASE - POLICY LIMIT \$ 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
City of Oceanside is/are named as additional insured (except workers compensation) where required by written contract to the extent of losses caused solely and directly by Weatherproofing Technologies, Inc. employees during the course of authorized general contracting activities. The insurance afforded under the General Liability policy for the Additional Insured(s) is Primary insurance and any other insurance maintained by or available to the Additional Insured(s) is Non-Contributory. Per coverage form, Auto coverage will apply on a Primary and Non-Contributory basis where required by written contract. Waiver of Subrogation in favor of the Additional Insured(s) under the General Liability and Workers Compensation coverages.

CERTIFICATE HOLDER City of Oceanside Risk Management 300 N. Coast Highway Oceanside, CA 92054	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE <i>Marsh USA LLC</i>
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AGENCY CUSTOMER ID: CN102302710

LOC #: Cleveland



ADDITIONAL REMARKS SCHEDULE

Page 2 of 2

AGENCY MARSH USA LLC.		NAMED INSURED Weatherproofing Technologies, Inc. 3735 Green Rd. Beachwood, OH 44122	
POLICY NUMBER		EFFECTIVE DATE:	
CARRIER	NAIC CODE		

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: 25 FORM TITLE: Certificate of Liability Insurance

☐
The First Continental Service Co. placement is a direct placement. Marsh Management Services (Vermont) manages the captive insurer indicated here. Marsh USA LLC has only acted in the role of a consultant to the client with respect to this placement, which is indicated here for your convenience.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

DESIGNATED INSURED FOR COVERED AUTOS LIABILITY COVERAGE

This endorsement modifies insurance provided under the following:

AUTO DEALERS COVERAGE FORM
BUSINESS AUTO COVERAGE FORM
MOTOR CARRIER COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by this endorsement.

This endorsement identifies person(s) or organization(s) who are "insureds" for Covered Autos Liability Coverage under the Who Is An Insured provision of the Coverage Form. This endorsement does not alter coverage provided in the Coverage Form.

This endorsement changes the policy effective on the inception date of the policy unless another date is indicated below.

Named Insured: RPM INTERNATIONAL INC.

Endorsement Effective Date: 04-01-25

SCHEDULE

Name Of Person(s) Or Organization(s):

AS REQUIRED TO PROVIDE ADDITIONAL INSURED STATUS ON A PRIMARY, NON-CONTRIBUTORY BASIS, IN A WRITTEN CONTRACT OR WRITTEN AGREEMENT, EXCEPT WHERE SUCH CONTRACT OR AGREEMENT IS PROHIBITED BY LAW.

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

Each person or organization shown in the Schedule is an "insured" for Covered Autos Liability Coverage, but only to the extent that person or organization qualifies as an "insured" under the Who Is An Insured provision contained in Paragraph A.1. of Section II – Covered Autos Liability Coverage in the Business Auto and Motor Carrier Coverage Forms and Paragraph D.2. of Section I – Covered Autos Coverages of the Auto Dealers Coverage Form.

**THIS ENDORSEMENT CHANGES THE POLICY.
PLEASE READ IT CAREFULLY.**

**ADDITIONAL INSURED – OWNERS, LESSEES
OR CONTRACTORS - SCHEDULED PERSON OR ORGANIZATION**

This endorsement modifies insurance provided as follows:

SCHEDULE

Name of Person or Organization: Any person(s) or organization(s) as required by written contract or agreement and as evidenced on a certificate of insurance issued to such person(s) or organization(s) on file with First Continental Services Co.

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

A. Section II - Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

In the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project

C. With respect to the insurance afforded to these additional insureds, the following is added to Section III – Limits Of Insurance:

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

- 1. required by the contract of agreement; or**
- 2. Available under the applicable Limits of Insurance shown in the Declarations;**

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

Policy #: 1-GLRPM-01/2025

Effective: April 1, 2025

ISO CG 20 37 04 13

**THIS ENDORSEMENT CHANGES THE POLICY.
PLEASE READ IT CAREFULLY.**

**ADDITIONAL INSURED – OWNERS, LESSEES
OR CONTRACTORS – COMPLETED OPERATIONS**

This endorsement modifies insurance provided as follows:

SCHEDULE

Name of Person or Organization: Any person(s) or organization(s) as required by written contract or agreement and as evidenced on a certificate of insurance issued to such person(s) or organization(s) on file with First Continental Services Co.

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

A. Section II - Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by "your work" at the location designated and described in the schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following is added to Section III - Limits Of Insurance:

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
2. Available under the applicable Limits of Insurance shown in the Declarations; whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

ENDORSEMENT 8

NAMED INSURED: RPM International Inc. and any affiliated subsidiary, controlled or associated company, corporation or other legal entity thereof, now existing or as may exist hereafter.

POLICY NUMBER: 1-GLRPM-01/2025

EFFECTIVE DATE: April 1, 2025

**THIS ENDORSEMENT CHANGES THE POLICY.
PLEASE READ IT CAREFULLY.**

ADDITIONAL INSURED – PRIMARY INSURANCE

This endorsement modifies insurance provided as follows:

Commercial General Liability Coverage Form

Section IV, Commercial General Liability Conditions, paragraph 4. Other Insurance, subparagraph a. Primary Insurance, is amended by the addition of the following:

However, coverage under this policy afforded to an additional insured will apply as primary insurance where required by contract, and any other insurance issued to such additional insured shall apply as excess and noncontributory insurance.

All other terms and conditions remain unchanged.

ENDORSEMENT 2

NAMED INSURED: RPM International Inc.
POLICY NUMBER: 1-GLRPM-01/2025
EFFECTIVE DATE: April 1, 2025

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS

WE WAIVE ANY RIGHT OF RECOVERY WE MAY HAVE AGAINST THE PERSON OR ORGANIZATION DESIGNATED IN THE SCHEDULE AS SUBJECT TO THIS ENDORSEMENT BECAUSE OF PAYMENTS WE MAKE FOR INJURY OR DAMAGE ARISING OUT OF WORK YOU PERFORM UNDER A CONTRACT WITH THE DESIGNATED PERSON OR ORGANIZATION. THE WAIVER APPLIES ONLY TO THE DESIGNATED PERSON OR ORGANIZATION AND THE WORK YOU PERFORM MUST BE UNDER CONTRACT, AND FOR THE PROJECT AND LOCATION, DESIGNATED IN THE SCHEDULE.

SCHEDULE

DESIGNATED PERSON OR ORGANIZATION: Any person(s) or organization(s) as required by written contract or agreement and as evidenced on a certificate of insurance issued to such person(s) or organization(s) on file with First Continental Services Co.

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

Schedule

ALL PERSONS AND/OR ORGANIZATIONS AS REQUIRED BY WRITTEN CONTRACT OR AGREEMENT WITH THE INSURED, EXECUTED PRIOR TO THE ACCIDENT OR, THAT WAIVER OF SUBROGATION BE PROVIDED UNDER THIS POLICY FOR WORK PERFORMED BY YOU FOR THAT PERSON AND/OR ORGANIZATION.

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.

(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement 04-01-25

Effective Policy No. WC9258788-18

Endorsement No.

Insured: RPM INTERNATIONAL INC.

Premium \$

AMERICAN ZURICH INSURANCE COMPANY

Insurance Company

Countersigned by _____

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

Schedule

ALL PERSONS AND/OR ORGANIZATIONS AS REQUIRED BY WRITTEN CONTRACT OR AGREEMENT WITH THE INSURED, EXECUTED PRIOR TO THE ACCIDENT OR, THAT WAIVER OF SUBROGATION BE PROVIDED UNDER THIS POLICY FOR WORK PERFORMED BY YOU FOR THAT PERSON AND/OR ORGANIZATION

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.

(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement 04-01-25

Effective Policy No. WC9258790-18

Endorsement No.

Insured RPM INTERNATIONAL INC.

Premium \$

ZURICH AMERICAN INSURANCE COMPANY

Insurance Company

Countersigned by _____



Waiver of Subrogation Endorsement

Insured: RPM INTERNATIONAL INC.

Endorsement No.:

Policy No.: EWS5965995-17

Effective Date of this
Endorsement: 04-01-25

This endorsement modifies insurance provided by the following:

Excess Insurance Policy for Self-Insurer of Workers Compensation and Employers Liability

This policy is changed to provide:

Part Six - Condition G - Subrogation - Recovery From Others - gives us the right to recover all payments which we have made to you from anyone liable for loss. We agree to waive this right but only to the extent that you perform work under a written contract which requires you to obtain this agreement.

Countersigned: _____
Authorized Signature

ADDITIONAL ITEMS

Copy of the UL Class A ratings

TremPly KEE FB (Fleeceback) roofing systems, including the Adhesive, achieve UL Class A fire ratings by meeting standards like UL 790 (ASTM E108), offering excellent fire resistance, durability against UV/chemicals, and tear resistance, with approved systems for new builds and repairs. See the included Product Data Sheets for further information.

Key Fire Ratings & Features:

- UL Class A: This is a high fire safety rating, meaning the roof system effectively resists flame spread and fire penetration, a crucial aspect for building safety.
- UL 790/ASTM E108: Tremco tests its roofing materials to these standard fire tests, ensuring high performance against fire.

20-year QA NDL (No Dollar Limit) roof system warranty to cover entire roof system, flashings and associated components. Manufacturer shall include a copy of their warranty with their proposal.

See a copy of the warranty after the three quotes beginning on page 34.

Data sheets for all products listed

See Product Data Sheets after the three quotes beginning on page 37.

Local certified contractor list within Southern California to bid on upcoming roofing materials installation project

A Good Roofer: 11651 Riverside Drive, Suite 145, Lakeside, CA 92040

Letner Roofing: 1490 N Glassell St, Orange, CA 92867

Roof Construction: 1563 Sterling Court – Escondido, CA 92029

Adhesion test

This project doesn't need an adhesion test as we are doing a layover and there will be no coating applied to the current roof substrate.

References of previous projects completed utilizing the same/similar system with same/similar size

Oceanside City Operations Center (KEE membrane)

Petite Madeline Bakery and Theatre (KEE membrane)

Calavera Hills Middle & Elementary School (KEE membrane)

Three (3) references of public works projects with contact information within San

City of San Marcos- Mike D'Aquilla (760) 473-6621- Escondido Fire Stations (3)

City of Poway – Lucinda Hoe (760) 891-9758- Poway Center of Performing Arts

City of Imperial Beach- Garth Larson (619) 551-8006- Public Works Office

PROPOSAL

CITY OF OCEANSIDE—FIRE STATION 4

					
					Effective 03/01/2025
					Valid for 60 days. After that time, project conditions are subject to reassessment.
					CMAS #: 4-25-02-1015
WEATHERPROOFING TECHNOLOGIES, INC. LINE ITEM PRICING					BASE CALSAVE #: AEPA 025-D
OWNER:	CITY OF OCEANSIDE-FIRE STATION 4				Roofing & Building Envelope Services
PROJECT NAME:	ROOF REPL				
QUOTE #	5070972				
DATE:	12/3/2025				
Bid Item Number	Description of Cost Factors	Unit of Measure	Price	Quantity	Project Amount
8533945 503	TREMPLE KEE 45 MIL 100" x 100'	ROL	\$ 2,784.78	10	\$ 27,847.80
8533160 503	TREMPLE KEE 60 MIL NON-REINFD 24"X50'	ROL	\$ 1,077.30	1	\$ 1,077.30
8533120 501	TREMPLE KEE UNIVERSAL CORNERS 20/CS	CS	\$ 363.69	5	\$ 1,818.45
8533201 805	TREMPLE KEE LV BONDING ADHESIVE 5 GL	EA	\$ 486.81	4	\$ 1,947.24
8533170 501	TREMPLE KEE T-JOINT COVERS 100/CS	CS	\$ 268.11	1	\$ 268.11
8533145 503	TREMPLE KEE PROTECT WALKWAY 30"X100' YLW	ROL	\$ 3,295.89	1	\$ 3,295.89
8533110 501	TREMPLE KEE PIPE FLASHING 1"-6" 8/CS	CS	\$ 512.73	2	\$ 1,025.46
876450 309	TREMSEAL PRO WHITE - 30 CTG/CS	CS	\$ 391.23	1	\$ 391.23
110001C	SOLARGARD ACRYLIC SEALER 1 GL	EA	\$ 108.54	1	\$ 108.54
1110700005	SOLARGARD MASONRY PRIMER WHITE 5 GL	EA	\$ 342.63	2	\$ 685.26
1512700005P	SOLARGARD HY-BUILD WHITE 5 GL	EA	\$ 315.09	7	\$ 2,205.63
0690304 309	TREMCO WATER BLOCK SEALANT 10.3 OZ-30/CS	CS	\$ 199.26	1	\$ 199.26
400	Additional and occasional services Roofing supplies Discount off Retail Price List	% of Discount	13.7%		\$ 40,870.17
NON DISCOUNTED MATERIAL					
03115DF3TPA 502	DF 3" ISOWELD TPA PLATE 500/CS	CS	\$ 518.00	3	\$ 1,554.00
SUBTOTAL:					\$ 42,424.17
				STATE TAX	6.250% \$ 2,651.51
				COUNTY TAX	1.000% \$ 424.24
				LOCAL TAX	1.000% \$ 424.24
**TOTAL PROJECT COST					\$ 45,924.16
* The pricing contained in this proposal is based in part on site-specific conditions and unique circumstances presented on each individual project.					
* Multiple proposals may not be combined into one Purchase Order or Contract due to Prevailing Wage laws.					

PROPOSAL

CITY OF OCEANSIDE—JOE BALDERRAMA RECREATIONAL CENTER

		 CALIFORNIA MULTIPLE AWARDS SCHEDULES			
					Effective 03/01/2025
					Valid for 60 days. After that time, project conditions are subject to reassessment.
WEATHERPROOFING TECHNOLOGIES, INC. LINE ITEM PRICING					CMAS #: 4-25-02-1015
OWNER: CITY OF OCEANSIDE-JOE BALDERRAMA REC CTR					BASE CALSAVE #: AEPA 025-D
PROJECT NAME: ROOF RESTORE					Roofing & Building Envelope Services
QUOTE #	S070980				
DATE:	12/3/2025				
Bid Item Number	Description of Cost Factors	Unit of Measure	Price	Quantity	Project Amount
8533945 503	TREMPLY KEE 45 MIL 100" x 100'	ROL	\$ 2,784.78	24	\$ 66,834.72
8533160 503	TREMPLY KEE 60 MIL NON-REINFD 24"X50"	ROL	\$ 1,077.30	1	\$ 1,077.30
8533120 501	TREMPLY KEE UNIVERSAL CORNERS 20/CS	CS	\$ 363.69	6	\$ 2,182.14
8533201 805	TREMPLY KEE LV BONDING ADHESIVE 5 GL	EA	\$ 486.81	7	\$ 3,407.67
8533170 501	TREMPLY KEE T-JOINT COVERS 100/CS	CS	\$ 268.11	2	\$ 536.22
8533145 503	TREMPLY KEE PROTECT WALKWAY 30"X100' YLW	ROL	\$ 3,295.89	1	\$ 3,295.89
8533110 501	TREMPLY KEE PIPE FLASHING 1"-6" Ø/CS	CS	\$ 512.73	2	\$ 1,025.46
876450 309	TREMSEAL PRO WHITE - 30 CTG/CS	CS	\$ 391.23	2	\$ 782.46
110001C	SOLARGARD ACRYLIC SEALER 1 GL	EA	\$ 108.54	1	\$ 108.54
0690304 309	TREMCO WATER BLOCK SEALANT 10.3 OZ-30/CS	CS	\$ 199.26	1	\$ 199.26
400	Additional and occasional services Roofing supplies Discount off Retail Price List	% of Discount	13.7%		\$ 79,449.66
NON DISCOUNTED MATERIAL					
03115DF3TPA 502	DF 3" ISOWELD TPA PLATE 500/CS	CS	\$ 518.00	7	\$ 3,626.00
SUBTOTAL:					\$ 83,075.66
				STATE TAX	6.250% \$ 5,192.23
				COUNTY TAX	1.000% \$ 830.76
				LOCAL TAX	1.000% \$ 830.76
**TOTAL PROJECT COST					\$ 89,929.40
* The pricing contained in this proposal is based in part on site-specific conditions and unique circumstances presented on each individual project.					
* Multiple proposals may not be combined into one Purchase Order or Contract due to Prevailing Wage laws.					

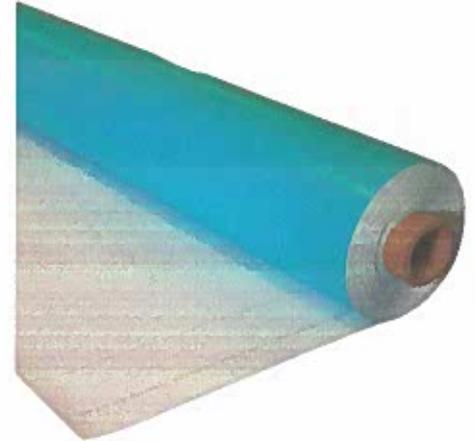
PROPOSAL

CITY OF OCEANSIDE—LIBBY LAKE COMMUNITY RESOURCE CENTER

					
					Effective 03/01/2025
					Valid for 60 days. After that time, project conditions are subject to reassessment.
					CMAS #: 4-25-02-1015
WEATHERPROOFING TECHNOLOGIES, INC. LINE ITEM PRICING					BASE CALSAVE #: AEP4 025-D
OWNER:	CITY OF OCEANSIDE-LIBBY LAKE COMMUNITY RESOURCE CTR				Roofing & Building Envelope Services
PROJECT NAME:	ROOF RESTORE				
QUOTE #	5070949				
DATE:	12/3/2025				
Bid Item Number	Description of Cost Factors	Unit of Measure	Price	Quantity	Project Amount
8533945 503	TREMPLY KEE 45 MIL 100" x 100'	ROL	\$ 2,784.78	10	\$ 27,847.80
8533180 501	TREMPLY KEE STRIP-IN 6" x 100'	ROL	\$ 323.19	2	\$ 646.38
8533160 503	TREMPLY KEE 60 MIL NON-REINFD 24"X50'	ROL	\$ 1,077.30	1	\$ 1,077.30
8533120 501	TREMPLY KEE UNIVERSAL CORNERS 20/CS	CS	\$ 363.69	5	\$ 1,818.45
8533201 805	TREMPLY KEE LV BONDING ADHESIVE 5 GL	EA	\$ 486.81	4	\$ 1,947.24
8533170 501	TREMPLY KEE T-JOINT COVERS 100/CS	CS	\$ 268.11	1	\$ 268.11
8533145 503	TREMPLY KEE PROTECT WALKWAY 30"X100' YLW	ROL	\$ 3,295.89	1	\$ 3,295.89
8533110 501	TREMPLY KEE PIPE FLASHING 1"-6" 8/CS	CS	\$ 512.73	2	\$ 1,025.46
876450 309	TREMSEAL PRO WHITE - 30 CTG/CS	CS	\$ 391.23	1	\$ 391.23
110001C	SOLARGARD ACRYLIC SEALER 1 GL	EA	\$ 108.54	1	\$ 108.54
1512700005P	SOLARGARD HY-BUILD WHITE 5 GL	EA	\$ 315.09	2	\$ 630.18
0690304 309	TREMCO WATER BLOCK SEALANT 10.3 OZ-30/CS	CS	\$ 199.26	1	\$ 199.26
505230C503	TREMPLY KEE/TPA COATED METAL 4' x 10'	EA	\$ 468.18	4	\$ 1,872.72
400	Additional and occasional services Roofing supplies Discount off Retail Price List	% of Discount	13.7%		\$ 41,128.56
NON DISCOUNTED MATERIAL					
0311SDF3TPA 502	DF 3" ISOWELD TPA PLATE 500/CS	CS	\$ 518.00	3	\$ 1,554.00
SUBTOTAL:					\$ 42,682.56
				STATE TAX	6.250% \$ 2,667.66
				COUNTY TAX	1.000% \$ 426.83
				LOCAL TAX	1.000% \$ 426.83
**TOTAL PROJECT COST					\$ 46,203.87
* The pricing contained in this proposal is based in part on site-specific conditions and unique circumstances presented on each individual project.					
* Multiple proposals may not be combined into one Purchase Order or Contract due to Prevailing Wage laws.					

TremPly® KEE and KEE FB Single Ply Systems

A reinforced polyester knit fabric with a proprietary hybrid thermoplastic alloy coating



FEATURES

- Elvaloy KEE flexibilizer
- Heavy duty reinforcement
- Full bond around fiber reinforcement
- Fleeceback and smooth versions

BENEFITS

- Superior flexibility, UV resistance and chemical resistance
- Excellent tear strength and puncture resistance
- Maximum seam strength for long term performance
- Multiple application methods to meet project specific needs

DESCRIPTION

TremPly® KEE and KEE FB (Fleeceback) Systems not only meet or exceed the minimum physical property requirements enumerated in ASTM D6754 Standard Specification for Ketone Ethylene Ester (KEE) based sheet roofing, but exceed the physical properties and performance characteristics of much thicker competitive products. TremPly KEE membranes are available in nominal 45 and 60 mil thickness; smooth and fleeceback versions; and in white, gray and tan which can all help an organization meet LEED requirements. All TremPly KEE Roofing Membranes are constructed using high tenacity/heavy weight yarns to create a base fabric reinforcement to impart superior puncture, tensile and tear resistance properties. The base polyester fabrics are primed with a unique and proprietary adhesive coat that lays the foundation to physically bond the KEE coatings to the "fiber" to maximize seam strength and overall membrane performance. TremPly KEE is coated to provide superior hot air welding characteristics, extreme UV resistance, broad chemical resistance and long-term flexibility and repairability for the installed roofing membrane system. TremPly KEE Roofing Systems have excellent tear, puncture, fungus, algae and flame resistance, making them among the most sustainable roofing systems available.

BASIC USES

TremPly KEE and KEE FB single ply roofing systems are designed to provide superior performance and exceptional value; the white, tan or gray surfaces absorb much less heat than a black roof, which can help lower a facility's energy use and improve its appearance. They are excellent choices for roof overlays, replacement and new construction alike.

APPLICATION

TremPly KEE Roofing Systems carry extensive FM Global and Underwriters Laboratories' approvals. TremPly KEE Roofing Systems can be installed by mechanically fastening or adhering the membrane bonding adhesive. TremPly KEE can also be installed in typical ballast configurations using conventional stone or paver ballast. Field seaming is accomplished by fusing the thermoplastic membrane with conventional hot air welding equipment.

STORAGE

Materials should remain on the pallet until use and be stored in a shaded, ventilated area. Materials should be covered with a light-colored, reflective tarp for protection against the elements. Allow for adequate air flow inside the pallets.

APPROVED ATTACHMENT METHODS

	TREMPLY KEE	TREMPLY KEE FB
POWERply Endure BIO Adhesive	No	Yes
Tremply KEE FB Bonding Adhesive	No	Yes
Tremply KEE LV Bonding Adhesive	Yes	No
Tremply KEE WBII Bonding Adhesive	No	Yes
Hot Asphalt	No	Yes
TremPLY KEE Plus Stress Plates	Yes	Yes

TremPly® KEE and KEE FB Single Ply Systems

DIMENSIONS/ COVERAGE RATES

THICKNESS	ROLL SIZE	COVERAGE (as applied)
45 mil (1.14 mm)	37" x 100'	266 sq.ft.
	50" x 100'	374 sq.ft.
	74" x 100'	573 sq.ft.
	100" x 100'	789 sq.ft.
45 mil FB (1.14 mm)	72" x 80'	455 sq.ft.
	100" x 80'	639 sq.ft.
60 mil (1.52 mm)	37" x 80'	212 sq.ft.
	74" x 80'	458 sq.ft.
60 mil FB (1.52 mm)	72" x 80'	455 sq.ft.

PHYSICAL PROPERTIES

PROPERTY	ASTM D6754	TREMPLY KEE AND KEE FB
Thickness ASTM D 751 (inches)	.032	.045/.060
Thickness over Fiber Optical method (inches)	.007	.014/.016
Breaking Strength (MD/XMD) D 751 proc. B. - strip (lbf/in)	337	520/406
Elongation at Break (MD/XMD) D 751 - strip	18	22/20
Tear Strength (MD/XMD) ASTM D 751 proc. B. Tongue Tear (lbf)	76	125/145
Linear Dimensional Change (MD/XMD) ASTM D 1204 max (%)	1.3	-0.6/-1
Fabric Adhesion D 751 min. (lb/in)	19	no peel
Low Temperature Bend ASTM D 2136 (0f)	-30	-45°F
Retention of Properties After Heat Aging		
Practice D 3045 - 1760f/56 days		
Breaking Strength min. ASTM D 751 proc. B. (lbf/in.)	90	90
Elongation at break ASTM D 751 proc. B.	19/18	20/20
Low Temperature Bend ASTM D 2136 (°F) ASTM D 751	-30	pass
Change in Weight after Exposure in Water	+6.0	0.7
D 471 1580f one side only, max. (%)		
Seam Strength D 751 Grab Method, min. (lbf)	440	800
Hydrostatic Resistance (psi) ASTM D751	590	>1,000
Static Puncture Resistance ASTM D 5602 (99 lbf)	pass	>155
Dynamic Impact / Puncture Resistance ASTM D 5635 min. (J)	10	35
Accelerated Weathering Practice G 155 / 15,000 h xenon		
Cracking (7x magnification)	none	none
Crazing (7x magnification)	none	none
Accelerated Weathering Practice G 154 / 15,000 h UVA		
Cracking (7x magnification)	none	none
Crazing (7x magnification)	none	none
Fungi Resistance Practice G 21, 28 days Sustained Growth	no growth	none
Abrasion D 3389 H-18 wheel 1,000 g load, (min. cycles)	1,500	>2,000

TremPly[®] KEE and KEE FB Single Ply Systems

ENERGY ATTRIBUTES

PROPERTY	WHITE	GRAY	TAN
Solar Reflectance-DC6 White Initial <i>ASTM C1549</i>	0.87	0.69	0.72
Solar Reflectance (3 yr. Aged) <i>ASTM C1549</i>	0.71	0.61	0.63
Initial Thermal Emittance <i>ASTM C1371</i>	0.85	0.89	0.88
Thermal Emittance 3 yr Aged <i>ASTM C1371</i>	0.84	0.89	0.89
Solar Reflective Index (SRI) <i>ASTM E1980</i>	110	84	88
Solar Reflective Index (SRI) 3 yr aged <i>ASTM E1980</i>	86	73	76
LEED 2.2 Heat Island Effect (SRI > 78) <i>SS Credit 7.2</i>	1 credit	1 credit	1 credit

MAINTENANCE

Your local Tremco Roofing sales representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventative maintenance are all part of a sound roof program.

PRECAUTIONS

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

TECHNICAL SUPPORT

Your local Tremco Roofing sales representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications.

The application information provided in this data sheet serves as general guidance. Please refer to Tremco application guides and project specific specifications or consult with your local Tremco Roofing sales representative for project specific application requirements. Refer to the Safety Data Sheet (SDS) for material precautions.



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TremPly® KEE Flashing Accessories

Pre-molded and sheet form, non-reinforced flashing accessories to complement the TremPly KEE and KEE FB Roofing Systems

DESCRIPTION

DuPont's™ Elvaloy® KEE (Ketone Ethylene Ester) compound is the principle polymer in TremPly KEE flashing components.

All pre-molded TremPly KEE flashing accessories are injection molded. Pipe flashings will accommodate cylindrical penetrations between 1" and 6" in diameter. Universal inside and/or outside corner flashings accommodate 90° inside or outside wall, curb and other rectangular penetration corners.

T-joint covers and non-reinforced flashing rolls are also available.

BASIC USES

Using pre-molded pipe and universal inside/outside corner flashings significantly improves installation consistency and reduces labor.

A non-reinforced, 60 mil TremPly KEE membrane is available for unusual penetrations and flashing details where the pre-molded flashings will not work.

APPLICATION

The application information provided in this data sheet is designed to serve as a general guide. Please refer to Tremco application guides and project specific specifications or consult with your local Tremco Representative for project specific application requirements. Refer to the Safety Data Sheet (SDS) for material precautions.

PHYSICAL PROPERTIES

	PROPERTY	TYPICAL VALUE
Pre-Molded Pipe Flashing:	Packaging	8 ea. per carton
Pre-Molded Inside/Outside Corner:	Packaging	20 ea. per carton
Non-Reinforced Sheet:	Packaging	24 in. / 50 ft. rolls
T-Joint Covers:	Packaging	7 lb. box / 100 each per box

TremPly® KEE Flashing Accessories

MAINTENANCE

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PRECAUTIONS

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TECHNICAL SUPPORT

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TremPly® KEE LV Bonding Adhesive

A low VOC adhesive for bonding TremPly KEE membranes to horizontal and vertical surfaces



DESCRIPTION

TremPly KEE LV Bonding Adhesive is a Nitrile/PVC polymeric adhesive. It dries quickly, so proper planning, placement and care are necessary to ensure appropriate adhesion, especially when the air is humid.

TremPly KEE LV Bonding Adhesive complies with all air quality districts in California and other regulated areas, making it the most environmentally friendly, solvent-borne adhesive available in the USA.

BASIC USES

This adhesive is used to bond TremPly KEE membranes to approved horizontal and vertical substrates; do not use with TremPly KEE FB membranes.

TremPly KEE LV Bonding Adhesive is listed/approved for use with specific TremPly Roofing Systems by FM Global and Underwriters Laboratories.

APPLICATION

The substrate must be smooth, dry, and free of debris or other irregularities; outside air temperature must be 40°F (4.4°C) and rising while the adhesive is being applied. Approved substrates include wood, metal and for flashing (vertical) applications, and pre-approved polyisocyanurate insulation, approved gypsum based coverboards and approved base sheets for horizontal roofing applications.

Spray or roll a smooth, even coat of TremPly KEE LV Bonding Adhesive over the exposed, pre-positioned bottom of the TremPly KEE membrane and also over the area of the substrate it will match. Coverage is approximately 50 ft² per gallon (1.2 m²/ liter) -- 45 ft² per 1/2 gallon to the substrate (1.1m²/ 1/2 liter) and 55 ft² per 1/2 gallon (1.3 m²/1/2 liter) to the membrane. While the surface's porosity and smoothness will affect the actual coverage rate, it is critical to ensure 100% coverage.

Let the solvents dissipate so that the adhesive becomes sticky but not stringy to the touch, then carefully maneuver the glued portion of the TremPly KEE membrane onto the glued substrate and broom or roll the membrane in place.

The application information provided in this data sheet serves as general guidance. Please refer to Tremco application guides and project specific specifications or consult with your local Tremco Roofing sales representative for project specific application requirements. Refer to the Safety Data Sheet (SDS) for material precautions.

PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE
Application	Brush, roller or spray
Color	Amber
Coverage	50 ft ² /gal. (1.2 m ²) of bonded surface
Open/Cure Time	10 - 30 min./complete cure in 28 days
Shelf Life	1 Year
Solid Weight	20% ± 2%
Storage	Closed container/between 50° and 80°F
Viscosity	18,000 - 24,000 cps
V.O.C.	199 gm/L
Wt. Gal.	7.4 lbs (0.9 kg/liter) shipped in 5 gal. pails
Working Temp. Range	40°F and rising/up to 90°F

TremPly® KEE LV Bonding Adhesive

MAINTENANCE

Your local Tremco Roofing representative can provide you with effective maintenance procedures, which may vary depending upon specific conditions. Periodic inspections, early repairs and preventive maintenance are all part of a sound roof program.

PRECAUTIONS

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

TECHNICAL SUPPORT

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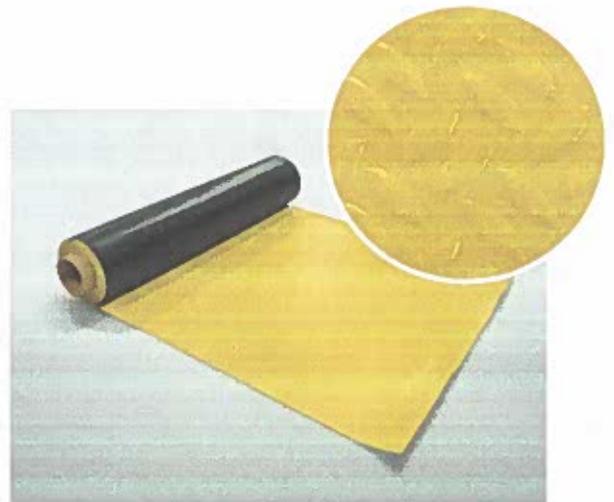
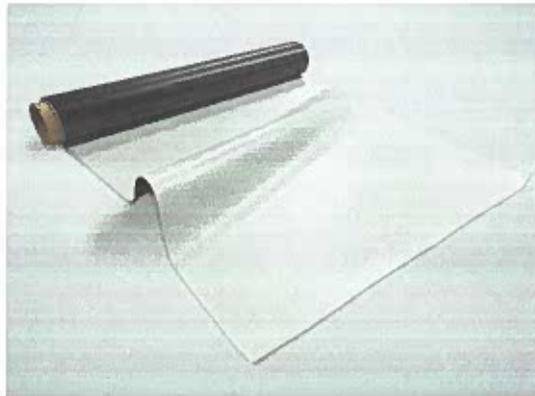
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TremPly® KEE Protection Walkway

Enhances roof traffic safety and optimizes membrane protection in high-traffic maintenance areas.



DESCRIPTION

TremPly KEE Protection Walkway is designed to increase roof top safety with increased slip resistance and integrated reinforcement for additional membrane protection.

BASIC USES

TremPly KEE Protection Walkway is embossed with a low profile diamond plate design for increased slip resistance. The highly visible yellow color provides a direct path for rooftop traffic. The integrated reinforcement protects against possible damage from dropped or improperly handled materials.

APPLICATION

Install the TremPly KEE Protection Walkway Mats around hatches, doorways and other roof access points; around mechanical equipment that undergoes scheduled maintenance; or where there is frequent foot traffic.

You can easily cut TremPly KEE Walkway rolls into sizes and shapes to meet most application requirements, and continuously hot air welded directly to the TremPly KEE or KEE FB roof membrane.

The application information provided in this data sheet serves as general guidance. Please refer to Tremco application guides and project specific specifications or consult with your local Tremco Roofing sales representative for project specific application requirements.

PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE
Walkway Material:	
Color	Yellow and Light Gray
Breaking Strength (lbs)	450
Dimensional Stability (%)	0.5% (max)
Roll Size	30 in x 100 ft (76 cm x 25.4 m)
Weight	50 ± 2 oz/yd ²
Thickness	60 mil (1.5mm)

TremPly® KEE Walkway and Protection Mat

MAINTENANCE

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PRECAUTIONS

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

TECHNICAL SUPPORT

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TremSEAL® Pro

One Component Polyurethane Roofing Sealant

FEATURES

- Medium modulus
- One Component
- Smooth tooled finish
- Non-sag
- Compatible with many coatings
- Extreme UV resistance

BENEFITS

- Ideal for moving joints or expansion
- No mixing required, reducing hazards, and labor costs
- Aesthetically pleasing
- Can be used on vertical joints
- Upon curing, may be top coated
- Long performance life

DESCRIPTION

TremSEAL Pro is a high-performance, high-movement, single-component, medium-modulus, low-VOC, UV-stable, non-sag, smooth tooled finish, polyurethane roofing sealant.

BASIC USES

TremSEAL Pro is a durable, flexible roofing sealant that offers excellent performance in moving joints and exhibits tenacious unprimed adhesion once fully cured, to concrete, metal and wood surfaces. Typical applications for TremSEAL Pro include roof reglets, termination bars, coping joints, expansion and control joints, precast concrete panel joints, perimeter caulking (windows, doors and panels), aluminum, masonry and vinyl siding.

Not recommended for use in chlorinated, potable, heavy or waste water.

PACKAGING

- 10.1 oz (300 mL) cartridges
- 20.2 oz (600 mL) sausages

COLOR

White (ctg + ssg), Aluminum Stone (ctg + ssg), Bronze (ctg + ssg), Limestone (ctg only), Black (ssg only)

STORAGE LIFE

1 year when stored at 40° to 110° F (5° to 43° C)

Store in original, undamaged packaging in a clean, dry, protected location with temperatures between 40° to 110° F (5° to 43° C).

COVERAGE RATE

Coverage Rates: 308' of joint per gallon for a ¼' x ¼" (6 mm x 6 mm) joint, which corresponds to approximately 25 linear feet per cartridge and approximately 50 linear feet per sausage.

SKIN & OVERCOAT TIME

2 hours with a tack-free time of 6 - 8 hours to significantly reduce dirt attraction.

APPLICABLE STANDARDS

TremSEAL Pro meets or exceeds the requirements of the following specifications:

- ASTM C920 Type S, Grade NS, Class 50, Ute NT, T, M, A, O, I
- US Federal Specification TT-S-00230C, Class A type II
- CAN/CGSB-19.13-M87
- International Code Council (ICC) Section R703.8 Flashing
- AAMA 714-15 Specification for Liquid-Applied Flashing
- NFPA 285 Listed Component

APPLICATION

Substrate Preparation: Surfaces must be sound and clean. All release agents, existing waterproofing, dust, loose mortar, paints or other finishes must be removed. This can be accomplished with a thorough wire brushing, grinding, sandblasting, or solvent washing, depending on the contamination.

Tremco recommends that surface temperatures be 40° F (5° C) or above at the time the sealant must be applied.

APPLICATION CONTINUED

STORAGE

CLEAN UP

PHYSICAL PROPERTIES

TremSEAL® Pro

Tooling: Is recommended immediately after application to insure firm, full contact with the joint interface. Dry tooling is preferred. For a cleaner finish, mask the sides of the joint with tape prior to filling.

Priming: TremSEAL Pro typically adheres to common construction substrates without primers. However, Tremco always recommends that a mock-up or field adhesion test be performed on the actual materials being used on the job to verify the need for a primer, proper cleaning and prep requirements. A description of the field adhesion test can be found in the appendix X1 of ASTM C1193, Standard Guide for Use of Joint Sealants.

Where required, use Geogard® Primer on porous substrates and AlphaGuard M-Prime for metals or plastics.

TremSEAL Pro can be used as a stand-alone sealant repair material. Following cure, TremSEAL Pro can be top coated with an approved Tremco product to extend the service life of the application.

TremSEAL Pro should be top-coated within 72 hrs of application. If cured sealant is exposed longer than 72 hrs prior to intended top coat, an application of Geogard Primer will be required to promote adhesion between coats.

Application: TremSEAL Pro is easy to apply with conventional caulking equipment. Ensure that the closed cell polyethylene backer rod is fitted properly for friction and that any necessary primers have been applied. Avoid three side joint adhesion with either backer rods or bond breaker tape to ensure a long lasting installation.

Fill the joint completely with a proper width-to-depth ratio, and then tool to ensure intimate contact of sealant with joint substrates. The minimum width and depth of any sealant application should be ¼" x ¼" (6 mm x 6mm). The depth of sealant may be equal to width of joints less than ½" wide.

Store in original, undamaged packaging in a clean, dry, protected location with temperatures between 40° to 100° F (5°-43° C).

Excess sealant and smears adjacent to the joint interface can be carefully removed with mineral spirits before the sealant cures. Any utensils used for tooling can also be cleaned with mineral spirits.

PROPERTY	TYPICAL VALUE	TEST METHOD
Solids	98%	
Hardness Properties	40 +/-5	ASTM C661
Skin Time	2 to 3 hr	ASTM C679
Tack Free Time	6 to 8 hr	73.4°F (23°C) 50% RH
Adhesion to Concrete	35 pli	ASTM C794
Adhesion to Concrete After Immersion	30 pli	ASTM C794
Movement Capability	+/-50%	ASTM C719
Tensile Strength	350 to 450 psi	ASTM D412
% Elongation	800 to 900%	ASTM D412
Modulus at 100%	75 to 85 psi	ASTM D412
Tear Strength	65 to 75 psi	ASTM D412
Service Temperature	-40° to 180 °F (-40° to 82 °C)	
Application Temperature	40° to 100 °F (4° to 37 °C) *	
VOC	40g/l	ASTM D3960

TremSEAL® Pro

MAINTENANCE

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PRECAUTIONS

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TECHNICAL SUPPORT

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Solargard® Acrylic Sealer

Acrylic patching & seam sealer

FEATURES

Acrylic elastomeric formulation

Multiple applications

BENEFITS

- Tough and flexible
- Easy clean up
- Roof fasteners, flashings, penetrations
- Seams/laps
- Deficiencies on concrete, masonry, metal or stucco wall

DESCRIPTION

Solargard Acrylic Sealer is a high solids, low odor, acrylic elastomeric sealer designated for use on a wide variety of roofing and wall substrates.

BASIC USES

Solargard Acrylic Sealer provides waterproofing protection for a number of application types. Typical applications include sealing of roofing deficiencies, fasteners, flashings, penetrations, seams/laps, as well as minor deficiencies on concrete, masonry, metal, or stucco wall substrates.

Solargard Acrylic Sealer can be used as a repair material or in conjunction with Tremco Roofing's Solargard liquid applied products/systems.

PACKAGING

1 gal (3.7 L) can, 5 gal (18.9 L) pail

COLOR

White

GRADE

Brush, Roller, Trowel

STORAGE

12 months shelf life in unopened containers when properly stored.

DO NOT FREEZE

Recommended storage is indoors in a ventilated, dry area removed from heat, open flame, ignition sources and direct sunlight. Storage temperatures should range from 60-70°F (15-21°C) and must not drop below 32°F (0°C) or exceed 110°F (43°C).

On the job site, materials should remain on the pallet until use and be stored in a shaded, ventilated area. Materials should be covered with a light-colored, reflective tarp for protection against the elements. Allow for adequate air flow inside the pallets.

Shelf life could be affected if the product is not stored properly.

APPLICATION

Surface Preparation: Surface must be clean, dry, in sound condition, and free of dirt, debris, and contaminants. Rust must be abraded until it no longer exhibits flaking or chalking. Wet insulation must be identified and replaced. Deficient areas of existing system must be repaired. All repairs should be made with like materials matching the existing components and allowed to properly cure prior to application of liquid-applied products.

If the surface has a pre-existing coating, paint, or sealant, please contact Tremco for adhesion/compatibility testing and surface preparation recommendations.

Mixing Pails: If needed, hand mix until product is consistent in appearance and viscosity. Do not thin.

Solargard® Acrylic Sealer

APPLICATION CONTINUED

Priming: Acceptable primers may be needed on specific substrates/surfaces prior to application. See the Roof Substrates/Surfaces Application Chart below for recommended primers. Review the recommended primer product data sheet for specific product and application information.

Application: Apply to properly prepared surface. Allow sealant to cure prior to application of Tremco Roofing's approved Solargard liquid applied products. Typical cure times range from 24-48 hours. Weather and site conditions may affect the curing process and times.

ACCEPTABLE SUBSTRATES

Smooth BUR	Concrete	MB-Smooth	MB-Granule	Metal	Single Ply	SPUF	Walls
●	●	●	●	●	●	●	●

COVERAGE

Three-Course: 30-65 In ft/gal **Back Brush:** 60-100 In ft/gal **Fasteners:** 200-250/gal
Coverage rates are listed at minimum recommended rates. The application surface can affect the necessary coverage rate.

Additional surface area must be accounted for on applications over corrugated or standing seam metal substrates. Coverage may require an additional 15-25% depending on profile.

TEMPERATURE RECOMMENDATION

Min Ambient: 50°F (10°C)
Max Ambient: 110°F (43.3°C)
Min Surface: 50°F (10°C)
Max Surface: 130°F (54.4°C)

- Minimum temperatures must be rising following applications
- Do not apply when dew point is within 5°F (2.77°C) of ambient temperatures
- Do not apply when precipitation, fog or dew is imminent prior to cure of the product
- Do not apply when freezing temperatures are expected prior to cure of the product

CLEAN UP LIMITATIONS

Soap & Water

- Not recommended for use over the following:
Roof Decks: Cementitious wood fiber, metal, poured-in-place gypsum, structural lightweight or lightweight insulating concrete, and wood decks (includes plywood, tongue and groove, etc.).
Products/Systems: Asphalt-based or coal tar gravel surfaced BUR systems, clay tile, expanded or extruded polystyrene insulation, shingles, silicone-based products, and tar-based products.
- Not for use under continuous immersion

PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE
Weight per Gallon	11.2 ± 0.2 lbs.
Solids by Weight	68% ± 2%
Viscosity	60,000 cps
Tensile Strength	500 psi ± 50
Elongation	315% ± 50%
Hardness	45 Shore A
Impact Resistance	160 in./lb.
Permeance	.14 perms

MAINTENANCE

Your local Tremco Roofing representative can provide you with effective maintenance procedures, which may vary depending upon specific conditions. Periodic inspections, early repairs and preventive maintenance are all part of a sound roof program.

PRECAUTIONS

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

TECHNICAL SUPPORT

Solargard[®] Acrylic Sealer

Your local Tremco Representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications. The services of the Tremco Research Center, which has earned a unique reputation in weatherproofing technology, complement and extend the service of the Tremco Service Staff.



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Solargard® Hy-Build

Elastomeric roof and wall coating

FEATURES

- Single coat application
- Multiple applications
- Fibered formulation

BENEFITS

- Time and cost savings
- Metal roof and wall surfaces
- Masonry, stucco, EIFS walls
- Bridges small roof and wall imperfections
- Coating reinforcement for high strength
- Accommodates building movement

DESCRIPTION

Solargard Hy-Build is a water-based, acrylic, elastomeric roof and wall coating formulated to provide a tough, durable, flexible, breathable film protection of metal roofs and previously painted or unpainted masonry walls.

BASIC USES

Solargard Hy-Build waterproofs metal roofs as well as masonry, stucco, EIFS and metal wall surfaces.

STORAGE

1 year shelf life in unopened containers when properly stored.

APPLICATION

Preparation: All surfaces are to be free of dirt, grease, oil, loose paint, loose rust, excess chalk, and other foreign matter which could prevent proper adhesion. This is best accomplished using a high-pressure power wash of at least 2,000 psi. A surface cleaner shall be used to remove all grease or oily deposits. If metal panel finish is Kynar 500 or the roof/wall was previously coated, please contact the Tremco Roofing Technical Department for surface preparation recommendations.

Application: Refer to application specifications for additional information.

Walls: Over porous concrete, brick, etc., surfaces where a prime coat is recommended use Solargard Masonry Primer. Solargard Hy-Build can be applied by brush, roller, or spray gun to specified coverage rates.

Refer to appropriate application specification for further information.

Metal: Prime all rust using Solargard Rust Primer WB. Solargard Hy-Build can be applied by brush, roller or spray gun to specified coverage rates.

Refer to appropriate application specification for further information.

Pumps: Graco King 45:1, Graco Bulldog 30:1 or gas powered equivalents. Graco GH733, HydraMax 350 or GMax 7900 or other manufacturers' equivalents.

Hose/Pressure: 50'-300' length (depending on spray rig pressure). When using hoses longer than 100' use the next larger hose ID every 50'. Every 50' of hose will reduce the spray pressure of the rig by 10% at the gun tip. i.e. 300' hose - 3/4" (50/100') to 5/8" (50/100') to 1/2" (50/100') to 3/8" (50')

Tip Sizes:

Fan Width (in.)	.039	.041	.043	.045	.047	.049
10"-12"	539	541	543	545	547	549
12"-14"	639	641	643	645	647	649
14"-16"	739	741	743		747	749
16"-18"	839	841	843		847	
Flow Rate gpm	1.60	1.80	1.98	2.17	2.37	2.58

Good results are generally obtained @ 2000-3000 psi at spray tip.

SPRAY EQUIPMENT RECOMMENDATIONS

Solargard® Hy-Build

SPRAY EQUIPMENT RECOMMENDATIONS CONTINUED

Gun: Graco Contractor Gun, Graco Contractor FTx gun, Graco Silver Plus or equivalent. (Tip extrusions or pole guns can be used.)

For additional information, refer to appropriate application specification.

CURE TIME

1 hour to touch

COVERAGE

Porosity, texture of surface, and specified dry-film thickness will dictate coverage.

Coverage rates are as follows:

Walls 1-1/2 gal./100 sq. ft., 24 wet mils

Metal Roofs 2 gal./100 sq. ft., 32 wet mils

CLEAN UP

Soap and water

LIMITATIONS

- Application temperature shall be above 50°F.
- Protect from freezing.
- Not intended for use in areas subject to vehicular traffic or where water continuously ponds.
- Do not apply when rain is imminent.
- Do not apply over silicone or coal tar.

PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD
Weight per Gallon	11.0 ± 0.2 lbs.	ASTM D 1475
Specific Gravity	1.32 ± 0.2	ASTM D 1475
Solids by Weight	63% ± 1%	ASTM D- 1353
Solids by Volume	52% ± 1%	ASTM D 5201
Elongation @ 77°F	215% ± 25%	ASTM D 2370
Flexibility @ -15°F	Passes 1/2 inch mandrel bend	ASTM D 522
Tensile Strength @ 77°F	375 ± 50 psi	
Tear Resistance	138 lbf/in	ASTM D 522
		ASTM D 2370
Dry Time	1 hour to touch	ASTM D 1640
Flashpoint	None	ASTM D 3278
Permeance Rating	12	

MAINTENANCE

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PRECAUTIONS

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

TECHNICAL SUPPORT

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Solargard® MASONRY PRIMER

Acrylic Primer

FEATURES

Bonds firmly to cementitious surfaces

BENEFITS

• Provides excellent adhesion

DESCRIPTION

SOLARGARD MASONRY PRIMER is a high quality, acrylic primer formulated from 100% acrylic resins. SOLARGARD MASONRY PRIMER bonds firmly to brick, stone, concrete, plaster, stucco, and other cementitious surfaces.

BASIC USES

SOLARGARD MASONRY PRIMER is an ideal primer for brick, stone, concrete, plaster, stucco, and other cementitious surfaces. It may also be used to prime wood. SOLARGARD MASONRY PRIMER may be used on porous surfaces prior to application of SOLARGARD HY-BUILD.

APPLICATION

Preparation: All surfaces are to be free of dirt, grease, oil, chalk, loose paint, rust, mortar, and other foreign matter, which could prevent proper adhesion. This is best accomplished using a high pressure power wash of at least 2,000 psi. A surface cleaner shall be used to remove all grease or oily deposits.

Masonry, Brick, Concrete, and Stucco: If surface is previously coated, contact Republic Technical Department for surface preparation recommendations. Masonry repairs should be completed and the cement allowed to dry before "spot priming" with SOLARGARD MASONRY PRIMER.

Wood: New or unpainted wood surfaces require two coats of SOLARGARD MASONRY PRIMER.

Application: SOLARGARD MASONRY PRIMER shall be applied by brush, roller, or paint spray equipment. Mix well to obtain uniform color.

When SOLARGARD MASONRY PRIMER has been applied longer than 72 hours prior to application of SOLARGARD HY-BUILD, SOLARGARD MASONRY PRIMER is to be reapplied. All surfaces, which have been primed, must be clean and free of dirt, grease, oil and other foreign matter, which could prevent proper adhesion of SOLARGARD HY-BUILD.

CURE TIME

1 hour to dust free, 2 hours to tack free, Overnight to hard

COVERAGE

Applied as a single coat over brick, stone, concrete, plaster, stucco, and other cementitious surfaces, SOLARGARD MASONRY PRIMER will cover approximately 100-200 sq. ft./gal. The porosity of the surface to be coated may cause coverage to vary.

CLEAN UP

Soap and water

LIMITATIONS

- Application temperature shall be above 50°F.
- Protect from freezing.
- Not intended for immersion service or over tar, glazed tile, silicone based coatings, or below grade.
- SOLARGARD MASONRY PRIMER must be top-coated with SOLARGARD HYBUILD within 72 hours.

Solargard® MASONRY PRIMER

PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD
Weight per Gallon	12.1±0.2 lbs.	ASTM D 1475
Solids by Volume	41% ± 1%	
Solids by Weight	59% ± 1%	
Viscosity @ 77°F	75 KU ± 1KU	ASTM D 562
Abrasion Resistance	Excellent	
Flexibility	Pass 1/8" mandrel bend	ASTM D 1737
Flashpoint	None	ASTM D 3278
Gloss 60° on Gardner Glossgard	12° ± 5	ASTM D 523
VOC	62 g/l	

MAINTENANCE

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PRECAUTIONS

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

TECHNICAL SUPPORT

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Tremco Water Block Sealant

A high performance, low VOC, permanently flexible gun grade mastic that adheres to all approved substrates.

FEATURES

- Low VOC formula (<150g/L)
- Excellent adhesion to clean and dry substrates. No primer required
- Excellent gunnability at low temperatures
- Water resistant, even under immersion conditions
- Non-skinning and non-curing

BENEFITS

- Suitable for use in VOC regulated markets
- Adheres to concrete, masonry, gypsum, metal, glass, plastic and wood surfaces
- Wide application temperature range
- Long term moisture barrier
- Permanently flexible even at low temperatures



DESCRIPTION

Tremco Water Block Sealant is a gray colored, high performance, low VOC, non-curing, permanently flexible gun grade Sealant. It maintains a positive seal by remaining flexible and adhered to all approved substrates.

BASIC USES

Tremco Water Block Sealant is a non-curing, non-skinning secondary sealant designed for unexposed waterproofing applications. Tremco Water Block Sealant can be used:

- Behind termination bar
- Under roof drains
- Acoustical sealant
- Roof panel rib sealant
- Vapor barrier sealant

PACKAGING/ COVERAGE

Tremco Water Block Sealant is available in the following package:

Pail Size	Packaging
10.3 fl. oz. (300 mL)	CT-0304-GR 30

Coverage rate will be approximately 10-12 lineal feet (3.0 - 3.7m) for a 1/2" (1.3cm) bead.

APPLICATION

Surface Preparation: All work surfaces should be clean, dry, free of dirt, dust, debris, oils, unadhered coatings, deteriorated membrane and other contaminants that may result in a surface that is not sound or is uneven. If necessary, clean the surface to receive the Tremco Water Block Sealant with an approved surface cleaner.

Safety: Prior to working with this or any adhesive product consult product label and Safety Data Sheet (SDS) for necessary health and safety precautions.

Application:

1. Cut nozzle on cartridge to allow proper bead installation.
2. Apply an approximately 1/2" (1.3cm) size bead (or appropriate size bead to completely seal void) of Tremco Water Block Sealant between the objects to be sealed.
3. Install product and fasten accordingly. Note: Tremco Water Block Sealant is not intended to be used as a structural sealant or to replace mechanical fastening. It is intended for waterproofing only.
4. For drain applications, install a continuous bead of Tremco Water Block Sealant in between roof membrane and drain bowl. Install drain clamping ring according to drain manufacturers recommendations.
5. Note: This is a non-skinning, non-curing sealant and is intended for unexposed applications only. Use Mineral Spirits or VM&P naphtha.

LIMITATIONS

- Talc, dust, oil, ice, snow, or wet conditions inhibit good adhesion. Clean and dry surfaces are necessary for proper installation of this product.
- Not recommended for direct contact with insulating glass sealants.
- Not to be used in locations exposed to direct UV light.
- Not to be painted.
- Use only in unexposed areas.

Tremco Water Block Sealant

PHYSICAL PROPERTIES

PROPERTY	RESULTS	TEST
Base Polymer	Synthetic Rubber	FTIR
Adhesion	Excellent to most clean, dry surfaces	ASTM C 794
Water Resistance	No adhesion loss, no shrinkage, no chalking	
Flash Point	105°F (40°C)	ASTM D 56
VOC Content	<150 g/L	ASTM D 3960
Solids Content	85% Minimum	ASTM C 681
Weight/Gal	10.5 lbs.	ASTM D 1475

Application Properties

Service Temperature	-40°F to 200°F (-40°C to 93°C)	ASTM D 3359
Application Temp.	20°F to 120°F (-6°C to 49°C)	ASTM C 603

NOTE: The foregoing information is published as general information only. The listed properties and performance characteristics are typical values and are not to be interpreted as manufacturing specifications.

MAINTENANCE

Your local Tremco Roofing Sales Representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventative maintenance are all part of a sound roof program.

PRECAUTIONS

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

TECHNICAL SUPPORT

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TremPly® KEE Flashing Accessories

Pre-molded and sheet form, non-reinforced flashing accessories to complement the TremPly KEE and KEE FB Roofing Systems

DESCRIPTION

DuPont's™ Elvaloy® KEE (Ketone Ethylene Ester) compound is the principle polymer in TremPly KEE flashing components.

All pre-molded TremPly KEE flashing accessories are injection molded. Pipe flashings will accommodate cylindrical penetrations between 1" and 6" in diameter. Universal inside and/or outside corner flashings accommodate 90° inside or outside wall, curb and other rectangular penetration corners.

T-joint covers and non-reinforced flashing rolls are also available.

BASIC USES

Using pre-molded pipe and universal inside/outside corner flashings significantly improves installation consistency and reduces labor.

A non-reinforced, 60 mil TremPly KEE membrane is available for unusual penetrations and flashing details where the pre-molded flashings will not work.

APPLICATION

The application information provided in this data sheet is designed to serve as a general guide. Please refer to Tremco application guides and project specific specifications or consult with your local Tremco Representative for project specific application requirements. Refer to the Safety Data Sheet (SDS) for material precautions.

PHYSICAL PROPERTIES

	PROPERTY	TYPICAL VALUE
Pre-Molded Pipe Flashing:	Packaging	8 ea. per carton
Pre-Molded Inside/Outside Corner:	Packaging	20 ea. per carton
Non-Reinforced Sheet:	Packaging	24 in. / 50 ft. rolls
T-Joint Covers:	Packaging	7 lb. box / 100 each per box

TremPly® KEE Flashing Accessories

MAINTENANCE

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PRECAUTIONS

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TECHNICAL SUPPORT

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TPA Coated Metal

For Fabricating Perimeter and Penetration Flashings Compatible with TPA Membrane

FEATURES

Thermoplastic
Factory laminated TPA
Coated sheet metal
Chemical resistance

BENEFITS

- Quickly installed by heat welding
- Consistent substrate for field fabrication
- Capable of being fabricated in a variety of details
- Resists environmental pollution, such as acid rain and minor oil exposure

DESCRIPTION

TPA Coated Metal is manufactured from a flexible non-reinforced Tremco TPA (Tri-Polymer Alloy) membrane factory laminated to hot-dipped galvanized steel. The metal consists of 24 gauge (0.023" minimum) G90 hot dipped galvanized steel with a back wash coat of 0.0001" clear acrylic, laminated on one side with a 20 mil unreinforced TPA Membrane.

BASIC USES

TPA Coated Metal is used to fabricate perimeter edge metal and flanged metal flashings for use with TPA Roof Systems. The factory laminated TPA Coating on the metal allows for a heat welded bond to be field fabricated between the TPA Coated Metal and TPA Single Ply Membrane.

COLOR

White

DIMENSIONS

48" x 120" (4' x 10')

WEIGHT

44 lbs/sheet

PACKAGING

Available in individual sheets or in pallets of 25 sheets/pallet.

APPLICATION

General: Roof replacement usually involves more complexities than new construction roofing. Such contingencies as rusted or deteriorated decks, rotted wood components, rooftop equipment which cannot be moved or shut down, and numerous other conditions are often encountered.

The following application information is designed to serve as a general guide. Your local Tremco Representative will prepare detailed specifications based upon your roofs conditions.

Structural Deck: Must be properly designed and structurally sound.

Drainage: Ponding conditions are unacceptable and will adversely affect the performance of any roofing system. Where positive drainage does not exist, water removal from roof surface must be facilitated by lowering drains, and/or installing additional drains or tapered insulation, or an approved lightweight insulating concrete slope system.

Installation Procedures: All surfaces must be clean and dry.

For heat welding, allow the hot air welder to warm up. Insert the nozzle tip of the hot air welder into the attachment area. Move nozzle at a steady speed, immediately applying pressure behind the air nozzle with a neoprene roller or weighted wheel to ensure positive contact of the heated TPA Coated Metal and the TPA roof membrane. Minimum width of welded lap shall be 2.0" (51 mm) when performing hand welds.

Field test heat welded laps to assure proper construction. Perform field test after lap area cools to ambient temperatures. Properly constructed heat welds will not separate at the lap interface when tested.

TPA Coated Metal

LIMITATIONS

- Not intended for use with TPO, PIB, CSPE, or EPDM.
- Not intended for use in combination with BUR or MB roof systems.

PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE
----------	---------------

TPA Coating:

Color	White
Thickness	0.020" TPA laminate on top side

Sheet Metal:

Type	24 gauge G90 hot dipped galvanized steel
Metal Prep	0.0001" clear acrylic backwash coating
Thickness	0.023

MAINTENANCE

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PRECAUTIONS

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TECHNICAL SUPPORT

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