



LEED™ 4.1 GREEN BUILDING PRODUCT INFORMATION GUIDE

COATINGS, SEALANTS & ADHESIVES

William J. Clinton Presidential Library and Museum
Little Rock, AR | Tremco Vegetative Roofing System

 **TREMCO**
Construction Products Group

Tremco CPG supports sustainable design and green building for energy efficient building. As part of Tremco CPG's vision, we manufacture several sustainable building design solutions to achieve social and environmental objectives while providing economic balance.

The Leadership in Energy and Environmental Design (LEED) program was originally developed by the United States Green Building Council (USGBC), Department of Energy and Environmental Protection Agency (EPA) in 1997 and formalized thereafter by USGBC as a guide for sustainable building design.

LEED stands as the planet's most prevalent green building assessment system. LEED certification establishes a structure for creating environmentally-friendly, cost-effective, and health-conscious green structures. These buildings not only deliver advantages in terms of the environment, society, and governance but also represent a globally acknowledged symbol of accomplishment in sustainability.

-  **LEED Credits:** Tremco CPG actively contributes to sustainability by providing products and information that can offer LEED category credits. Visit the US Green Building Council LEED rating system at <https://www.usgbc.org/leed>
-  **Building Product Disclosure and Optimization:** No single extracted material is used to produce the majority of Tremco CPG Sealant products.
-  **Recycled Content** for Tremco CPG Sealant and Coating products is not available, and for the purposes of LEED reporting, should be assumed to be zero unless otherwise noted.
-  **Greenguard Gold Certification:** UL Greenguard Gold Certified products comply with the requirements of the California Department of Public Health (CDPH) Standard Method v1.2-2017.
-  **Living Building Challenge:** Many Tremco products free of Red List Chemicals can be used in projects while helping achieve a Living Building Challenge Certification.

COATINGS

Product	Product Category	Description	Location of Manufacture	Coating VOC (grams/L)	Coating VOC % by Weight	Single Extracted Material	Manufacturing Inventory Available	Lower than SCAQMD rule 1113		Living Building Challenge	Additional Info
Drainstar 5X	Waterproofing	Multi-Composite Drainage and Protection Board	Toronto, Ontario, Canada	N/A	N/A	no	not available	yes			
Enviro-Dri	Air, Vapor, & Weather Resistant	Permeable membrane	Medina, Ohio	66 g/L	<5%	no	not available	yes		Red List Free	
Extrusions	Gaskets, Tapes & Extrusions	Glazing article	Ashland, Ohio	<1 g/L	<1%	no	not available	yes	 		
Gaskets	Gaskets, Tapes & Extrusions	Glazing article	Ashland, Ohio	<1 g/L	<1%	no	not available	yes	 		
ExoAir 110	Air, Vapor, & Weather Resistant	Self-Adhered Air and Vapor Barrier Membrane (*Air barrier)	Brentwood, New Hampshire	<1 g/L	<1%	no	not available	yes		Red List Free	
ExoAir 110AT	Air, Vapor, & Weather Resistant	Self-Adhered Air and Vapor Barrier Membrane (*Air barrier)	Newburyport, Massachusetts	<1 g/L	<1%	no	not available	yes			
ExoAir 120	Air, Vapor, & Weather Resistant	Fluid-Applied, Asphaltic Air & Vapor Barrier Membrane (*Air barrier)	Medina, Ohio	72 g/L	5%	no	yes	yes		Red List Free	
ExoAir 130	Air, Vapor, & Weather Resistant	Fluid-Applied, Synthetic Air and Vapor Retarder Membrane (*Air Barrier)	Toronto, Ontario, Canada	<1 g/L	<1%	no	yes	yes			
ExoAir 2000	Air, Vapor, & Weather Resistant	Flexible, polymer- based, non-cementitious, air/water-resistive barrier membrane	North Kingstown, Rhode Island	<42 g/L	<3%	no	no	yes			
ExoAir 210AT	Air, Vapor, & Weather Resistant	Self-adhered permeable air barrier membrane (*Air Barrier)	Sparta, MI	<1g/L	<1%	no	yes	yes		Red List Free	
ExoAir 220	Air, Vapor, & Weather Resistant	Fluid-Applied, Asphaltic Air & Vapor Permeable Membrane (*Air Barrier)	Medina, Ohio	2g/L	<1%	no	yes	yes		Red List Free	
ExoAir 230	Air, Vapor, & Weather Resistant	Fluid-Applied, Synthetic Air & Vapor Permeable Membrane (*Air Barrier)	Toronto, Ontario, Canada	35 g/L	1%	no	yes	yes		Red List Free	
ExoAir 230LT	Air, Vapor, & Weather Resistant	Fluid-Applied, Synthetic Air & Vapor Permeable Membrane (*Air Barrier)	Toronto, Ontario, Canada	146 g/L	<10%	no	yes	no			

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ExoAir 430 (Securock)	Air, Vapor, & Weather Resistant	Pre-applied fluid synthetic air & vapor permeable membrane (Exterior use)	Jacksonville, FL	7 g/L	<1%	no	not available	yes			USG LEED information: https://www.tremcosealants.com/fileshare/LEEDLetters/Securock_ExoAir_430_LEED.pdf
ExoAir Dual-flash SSG, R	Air, Vapor, & Weather Resistant	Liquid applied flashing membrane	Toronto, Ontario, Canada	1 g/L	<1 %	no	not available	yes			
ExoAir Primer	Air, Vapor, & Weather Resistant	A VOC-Compliant Adhesive Primer	Rockland, Massachusetts	236.1 g/L	13%	no	not available	no		Red List Free	
Paramastic	Waterproofing	Expandable mastic for use with Paraseal waterproofing membrane.	Spearfish, South Dakota	48 g/L	4%	Bentonite is used to produce approximately 56% (by weight) of this product.	yes	yes		Red List Free	
Paraseal	Waterproofing	Exterior applied waterproofer	Spearfish, South Dakota	<1 g/L	<1%	Bentonite is used to produce approximately 89% (by weight) of this product.	yes	yes		Red List Free	
Paraseal GM	Waterproofing	Exterior applied waterproofer	Spearfish, South Dakota	<1 g/L	<1%	Bentonite is used to produce approximately 89% (by weight) of this product.	yes	yes		Red List Free	
Paraseal GM/LG	Waterproofing	Exterior applied waterproofer	Spearfish, South Dakota	<1 g/L	<1%	Bentonite is used to produce approximately 89% (by weight) of this product.	yes	yes		Red List Free	
Paraseal LG	Waterproofing	Exterior applied waterproofer	Spearfish, South Dakota	<1 g/L	<1%	Bentonite is used to produce approximately 89% (by weight) of this product.	yes	yes		Red List Free	
Paraseal Paraboot	Waterproofing	Exterior applied waterproofer	Spearfish, South Dakota	<1 g/L	<1%	no	not available	yes			

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Paraseal Paraprimer	Waterproofing	Adhesive primer formulated to prepare construction surfaces	Rockland, Massachusetts	236 g/L	13%	no	not available	yes		Red List Free	This product is defined as an Adhesive Primer under rule 1168. VOC levels are lower than the limits set in rule 1168.
Paraseal Paragranular	Waterproofing	Exterior applied waterproofer	Spearfish, South Dakota	<1 g/L	<1%	Bentonite is used to produce approximately 100% (by weight) of this product.	yes	yes		Red List Free	
Paraseal Para JT (Joint Tape)	Waterproofing	Exterior applied waterproofer (Article)	Los Angeles, California	<1 g/L	<1%	no	not available	yes			
Paraseal Paramastic	Waterproofing	Expandable mastic for use with Paraseal waterproofing membrane	Spearfish, South Dakota	48 g/L	4%	Bentonite is used to produce approximately 56% (by weight) of this product.	yes	yes		Red List Free	
Paraseal Parastick 'n' Dry	Waterproofing	Exterior applied waterproofer (Article)	Spearfish, South Dakota	<1 g/L	<1%	Bentonite is used to produce approximately 89% (by weight) of this product.	not available	yes		Red List Free	
Paraseal Paraterm Bar	Waterproofing	Exterior applied waterproofer	Spearfish, South Dakota	<1 g/L	<1%	no	not available	yes			Recycled content for this product is 60% (36% Post-Industrial and 24% Post Consumer. Because this product is partially created with recycled content, consumers are able to work towards one Building Product Disclosure and Optimization - Raw Materials Extraction point.
Paraseal Permanent Seam Tape	Waterproofing	Exterior applied waterproofer (Article)	Hickory, North Carolina	<1 g/L	<1%	no	not available	yes			
Permaquik Crystalline Waterproofing	Waterproofing	Exterior applied waterproofer	Cleveland, Ohio	<1 g/L	<1%	no	yes	yes		Red List Free	
Polyschim II Tape	Gaskets, Tapes & Extrusions	High-performance glazing butyl tape	Toronto, Ontario, Canada	<1 g/L	<1%	no	not available	yes	 	Red List Free	
Powerply Standard Smooth	Waterproofing	Exterior applied bitumen sheet	Cleveland, Ohio	<1 g/L	<1%	no	yes	yes			
Powerply Standard White Granular	Waterproofing	Exterior applied bitumen sheet	Cleveland, Ohio	<1 g/L	<1%	no	not available	yes		Red List Free	

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Permaquik 200 Crystalline Waterproofing	Waterproofing	Capillary waterproofing formulation of proprietary blends of chemicals, quartz sand and cement	Cleveland, Ohio	0 g/L	0%	no	not available	yes		Red List Free	
SuperStop	Waterproofing	Bentonite waterproofer (Article)	Spearfish, South Dakota	<1 g/L	<1%	Bentonite is used to produce approximately 98% (by weight) of this product.	yes	yes	 	Red List Free	
Tremco 2011	Waterproofing	Exterior applied waterproofer (Article)	Dover, Ohio	<1 g/L	<1%	no	not available	yes			
Tremco 2178	Waterproofing	Exterior applied waterproofer (Article)	Concord, Ontario, Canada	<1 g/L	<1%	no	not available	yes			
Tremco 2190	Waterproofing	Exterior applied waterproofer (Article)	Drummonville, Quebec, Canada	<1 g/L	<1%	no	not available	yes			
Tremco 2550/2560	Waterproofing	Exterior applied waterproofer (Article)	Milton, Ontario, Canada	<1 g/L	<1%	no	not available	yes			
Tremco Dualflex	Waterproofing	Exterior applied waterproofer (Article)	Rochester, New Hampshire	<1 g/L	<1%	no	not available	yes		Red List Free	
Tremco Epoxy Primer	Waterproofing	Two-component (1:1) primer recommended for use as a porous primer	Cleveland, Ohio	<1 g/L	<1%	no	not available	yes			
Tremco Protection Mat	Waterproofing	Exterior applied waterproofer	Dalton, Georgia	<1 g/L	<1%	no	not available	yes			
Tremco PUMA BC (all grades)	Traffic Coating, Waterproofing	Polyurethane-methacrylate (PUMA) base coat	Twisttringen, Germany	<1 g/L	<1%	no	yes	yes			
Tremco PUMA Cleaner	Traffic Coating, Waterproofing	One-part MMA cleaner for all tools such as mixing paddles, squeegees, spiked rollers and spatulas.	Twisttringen, Germany	0 g/L	0%	no	yes	yes			
Tremco PUMA Flashing	Traffic Coating, Waterproofing	Modified polyurethane-methacrylate (PUMA) base coat.	Twisttringen, Germany	0 g/L	0%	no	not available	yes			
Tremco PUMA Initiator+	Traffic Coating, Waterproofing	Benzoyl peroxide-based filler	Los Reyes, La Paz, Mexico	0 g/L	0%	no	yes	yes			
Tremco PUMA TC	Traffic Coating, Waterproofing	Methyl-methacrylate (MMA) top coat.	Twisttringen, Germany	<1 g/L	<1%	no	yes	yes			
Tremco PUMA WC	Traffic Coating, Waterproofing	Polyurethane-methacrylate (PUMA) wear coat	Twisttringen, Germany	<1 g/L	<1%	no	yes	yes			
Tremco PUMA Filler Powder	Traffic Coating, Waterproofing	Non-reactive, white, filler powder	Twisttringen, Germany	<1 g/L	<1%	no	not available	yes			

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Tremco PUMA Primer	Traffic Coating, Waterproofing	Methyl-methacrylate (MMA), two-component primer for porous and non-porous substrates	Twiststringen, Germany	0 g/L	0%	no	yes	yes			
Tremco Retention Squares	Waterproofing	Exterior applied waterproofer	Stuttgart, Germany	<1 g/L	<1%	no	not available	yes			
Tremco Rubber Aggregate	Traffic Coating	Exterior applied waterproofing product	Wapakoneta, Ohio	<1 g/L	<1%	no	not available	yes			
**TREMDrain	Waterproofing	Exterior applied drainage product (Article)	Monroe, North Carolina & Carson City, Nevada	<1 g/L	<1%	no	not available	yes		Red List Free	Recycled content is 70% (Post-Industrial). Because this product is partially created with recycled content, consumers are able to work towards one Building Product Disclosure and Optimization Raw Materials Extraction point.
**TREMDrain 1000	Waterproofing	Exterior applied drainage product	Monroe, North Carolina & Carson City, Nevada	<1 g/L	<1%	no	yes	yes		Red List Free	Recycled content is 70% (Post-Industrial). Because this product is partially created with recycled content, consumers are able to work towards one Building Product Disclosure and Optimization Raw Materials Extraction point.
**TREMDrain 2000 NW	Waterproofing	Exterior applied drainage product	Monroe, North Carolina & Carson City, Nevada	<1 g/L	<1%	no	not available	yes		Red List Free	Recycled content is 60% (Post-Industrial). Because this product is partially created with recycled content, consumers are able to work towards one Building Product Disclosure and Optimization Raw Materials Extraction point.
**TREMDrain 3000 NW	Waterproofing	Exterior applied drainage product	Monroe, North Carolina & Carson City, Nevada	<1 g/L	<1%	no	not available	yes		Red List Free	Recycled content is 74% (Post-Industrial). Because this product is partially created with recycled content, consumers are able to work towards one Building Product Disclosure and Optimization Raw Materials Extraction point.
**TREMDrain 6000	Waterproofing	Exterior applied drainage product	Monroe, North Carolina & Carson City, Nevada	<1 g/L	<1%	no	not available	yes		Red List Free	Recycled content is 25.5% (Post-Industrial). Because this product is partially created with recycled content, consumers are able to work towards one Building Product Disclosure and Optimization Raw Materials Extraction point.
**TremDrain 6000X	Waterproofing	Exterior applied drainage product (Article)	Toronto, Ontario, Canada	<1 g/L	<1%	no	not available	yes		Red List Free	
**TREMDrain 6600	Waterproofing	Exterior applied drainage product	Monroe, North Carolina & Carson City, Nevada	<1 g/L	<1%	no	not available	yes		Red List Free	Recycled content is 70% (Post-Industrial). Because this product is partially created with recycled content, consumers are able to work towards one Building Product Disclosure and Optimization Raw Materials Extraction point.
**TREMDrain Corner Guard	Waterproofing	Exterior applied drainage product	Fitzgerald, Georgia	<1 g/L	<1%	no	not available	yes		Red List Free	
**TREMDrain DPI	Waterproofing	Exterior applied drainage product	Toledo, Ohio	<1 g/L	<1%	no	not available	yes			Recycled content is 35% (Post-Industrial). Because this product is partially created with recycled content, consumers are able to work towards one Building Product Disclosure and Optimization Raw Materials Extraction point.

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**TREMDrain QSP	Waterproofing	Exterior applied drainage product	Monroe, North Carolina & Carson City, Nevada	<1 g/L	<1%	no	not available	yes		Red List Free	Recycled content is 70% (Post-Industrial). Because this product is partially created with recycled content, consumers are able to work towards one Building Product Disclosure and Optimization Raw Materials Extraction point.
**TREMDrain S	Waterproofing	Exterior applied drainage product	Monroe, North Carolina & Carson City, Nevada	<1 g/L	<1%	no	not available	yes		Red List Free	Recycled content is 70% (Post-Industrial). Because this product is partially created with recycled content, consumers are able to work towards one Building Product Disclosure and Optimization Raw Materials Extraction point.
TREMprime LV	Waterproofing	Non-porous one-part primer	Chicago, Illinois	0 g/L	0%	no	not available	yes			
TREMprime Multisurface Urethane Primer	Waterproofing	Two-component, quick drying, epoxy-based, VOC-compliant primer	Cleveland, Ohio	68 g/L	2%	no	yes	yes		Red List Free	
TREMprime Non-porous Primer	Waterproofing	Water-based, quick-drying, one-part primer	Erie, Pennsylvania	7 g/L	0%	no	yes	yes		Red List Free	This product is typically used as an exterior applied product, as such, it does apply to the Low Emitting Materials credit in LEED v4.1.
TREMprime QD Low-Odor Primer	Waterproofing	Quick drying, high-solids, solvent-based modified bituminous roofing primer	Toronto, Ontario, Canada	410 g/L	<50%	no	not available	no		Red List Free	
TREMprime Silicone Metal Primer	Waterproofing	One-component silicone sealant primer	Toronto, Ontario, Canada	671 g/L	85%	no	yes	no		Red List Free	
TREMprime VB	Waterproofing	Two-component, epoxy-based, solvent-free vapor barrier	Twiststringen, Germany	0 g/L	0%	no	not available	yes			
TREMprime WB Primer	Waterproofing	High-solids, water-based primer	Toronto, Ontario, Canada	<1 g/L	<1%	no	not available	yes		Red List Free	
TREMprime VB Plus Primer	Waterproofing	Two-component silicone sealant primer	Batavia, Ohio	22 g/L	<5%	no	not available	yes			
Trempro 640	Waterproofing	One-part liquid polyurethane coatings	Cleveland, Ohio	21 g/L	1.5%	no	yes	yes		Red List Free	
TREMproof 201/60 LV - R, SL, T	Waterproofing	Fluid-applied, elastomeric waterproofing	Toronto, Ontario, Canada	R=80 g/L SL=95 g/L T=55 g/L	R=<10% SL=6.36% T=4.92%	no	yes	yes		Red List Free	For LEED v4.1 credit, this level meets California Air Resources Board (CARB) 2007 Suggested Control Measure (SCM) for Architectural Coatings.
TREMproof 250GC-LV - R, SL, T	Waterproofing	Single-component, rapid curing, fluid-applied elastomeric waterproofing membrane	Cleveland, Ohio	R=179 g/L SL=159 g/L T=166 g/L	R=<15% SL=<15% T=<15%	no	yes	no			
TREMproof 260	Waterproofing	Single-component asphalt emulsion waterproofing membrane	Medina, Ohio	70 g/L	<5%	no	yes	yes		Red List Free	
TREMproof 560A	Waterproofing	Sheet applied waterproofing membrane [Article]	Umm Al-Quwain, UAE	<1 g/L	<1%	no	not available	yes		Red List Free	

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TREMproof 6100	Waterproofing	Multi-layered, fabric-reinforced, hot-applied, rubberized asphalt waterproofing membrane	Missauga, Ontario, Canada	1 g/L	<1%	no	yes	yes		Red List Free	
TREMproof Amphibia	Waterproofing	Sheet applied waterproofing membrane (Article)	Ponzano Veneto, Italy	<1 g/L	<1%	no	yes	yes		Red List Free	
Universal Outlet	Waterproofing	Exterior applied drainage product (Article)	Trenton, South Carolina	N/A	N/A	no	not available	yes		Red List Free	Recycled content for Universal Outlet is varies between 15% to 90% (Pre-consumer). Because this product is partially created with recycled content, consumers are able to work towards one Building Product Disclosure and Optimization Raw Materials Extraction point
Universal Tee	Waterproofing	Exterior applied drainage product (Article)	Monroe, North Carolina	N/A	N/A	no	not available	yes		Red List Free	Recycled content for Universal Tee is 100% (Pre-Consumer). Because this product is partially created with recycled content, consumers are able to work towards one Building Product Disclosure and Optimization Raw Materials Extraction point
VISIONstrip	Waterproofing	Precision-extruded glazing seal (Article)	Ashland, Ohio	N/A	N/A	no	yes	yes		Red List Free	
Vulkem 171 Primer	Traffic Coating	Quick-drying, one-part, moisture-curing primer	Cleveland, Ohio	552 g/L	<60%	no	yes	yes		Red List Free	
Vulkem 191 Primer	Traffic Coating	Quick drying, one-part, moisture-curing primer	Cleveland, Ohio	728 g/L	<60%	no	yes	yes		Red List Free	Vulkem 191 Primer has 19% rapidly renewable content.
Vulkem 346	Traffic Coating	Aliphatic one-component polyurethane intermediate or top coat	Cleveland, Ohio	353 g/L	27%	no	yes	yes		Red List Free (Gray)	
Vulkem 350	Traffic Coating	Single-component urethane membrane base coat	Cleveland, Ohio	159 g/L	15%	no	yes	yes			
Vulkem 350FC	Traffic Coating	Two-component, fast-curing, VOC-compliant, chemically-curing urethane membrane base coat	Cleveland, Ohio	<100 g/L	10%	no	not available	yes			
Vulkem 350NF R, SL	Traffic Coating	Single-component, low odor, low VOC, urethane membrane base coat	Cleveland, Ohio	R=86 g/L SL = 93 g/L	R=7% SL=27%	no	yes	yes			
Vulkem 350FC	Traffic Coating	Two-component, fast-curing, VOC-compliant, chemically-curing urethane membrane base coat	Cleveland, Ohio	<100 g/L	10%	no	not available	yes			
Vulkem 351	Traffic Coating	Single-component polyurethane, intermediate or top coat	Cleveland, Ohio	353 g/L	27%	no	yes	yes		Red List Free	

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Vulkem 351NF	Traffic Coating	Two-component, polyurethane, intermediate or top coat	Cleveland, Ohio	94 g/L	0.06%	no	yes	yes		Red List Free	
Vulkem 360NF	Traffic Coating	Low odor, low VOC, water-cured, rapid setting urethane membrane base coat	Cleveland, Ohio	58 g/L	5.69%	no	yes	yes			
Vulkem 801	Traffic Coating	Liquid-applied, single-component, heavy duty, aluminized polyurethane coating system	Cleveland, Ohio	47 g/L	1%	no	yes	yes		Red List Free	Vulkem 950NF has 48.64% rapidly renewable content. Also, Vulkem 950NF's VOC level is below limits set by SCAQMD.
Vulkem 950NF	Traffic Coating	Two-component polyurethane, intermediate or top coat	Toronto, Ontario, Canada	18 g/L	<1%	no	yes	yes			
Vulkem 951NF	Traffic Coating	Two-component polyurethane intermediate coat or top coat	Cleveland, Ohio	94 g/L	4%	no	yes	yes		Red List Free	
Vulkem OC810	Traffic Coating	One-coat, high-solids, aliphatic, polyurethane membrane	Cleveland, Ohio	22 g/L	1%	no	yes	yes			
Weatherlastic HB	Waterproofing	Fiber reinforced, texturized, elastomeric, acrylic wall coating	Medina, OH	21 g/L	<1%	no	yes	yes			VOC content values are as reported for the highest VOC content color for all Weatherlastic HB colors. Other colors may have a lower VOC content reported on the SDS.

*Air barrier systems, when properly installed, have been shown to reduce energy costs for HVAC by as much as 40% versus buildings without fully-adhered air barriers. This is important to remember as utilizing such an air barrier system such as ExoAir may assist in earning points within LEED.

**TREMDrain products are an excellent way to gather and redirect rainwater for reuse in non-potable applications, which can help contribute to water conservation efforts and points for water use reduction in LEED.

Products that adhere to the California Department of Public Health (CDPH) Standard Method V1.1-2010, is a standard vital to demonstrate compliance with LEED.

We are pleased to report that products without any Red List Chemicals can be used to assist in finishing projects aimed towards achieving a Living Building Challenge Certification.

SEALANTS & ADHESIVES

Product	Product Category	Description	Location of Manufacture	Sealant VOC (grams/L)	Sealant VOC % by Weight	Single Extracted Material	Manufacturing Inventory Available	Lower than SCAQMD rule 1113	Adheres to CFP Standard V1.1-2010	Living Building Challenge	Greenguard Certified	Additional Info
440 Tape	Selants & Mastics	Polyisobutylene cross-linked butyl, preformed sealant tape (Article)	Toronto, Ontario, Canada	<1 g/L	<1%	no	yes	yes	yes	Red List Free	 	
Dymonic 100	Selants & Mastics	Single-component, medium-modulus, non-sag polyurethane sealant	Cleveland, Ohio	40 g/L	3%	no	yes	yes	yes			
Dymonic FC	Selants & Mastics	Fast-curing, single-component, low-modulus, hybrid sealant	Toronto, Ontario, Canada	6 g/L	<1%	no	yes	yes	yes			
Elastomeric and Butyl	Selants & Mastics	Uncured neoprene sheeting (Article)	Toronto, Ontario, Canada	<1 g/L	<1%	no	not available	yes				
EnerEDGE	IG Spacers & Edge Sealants	EPDM insulating glass spacer (Article)	Ashland, Ohio	<1 g/L	<1%	no	yes	yes				
EnerSEAL 332	IG Spacers & Edge Sealants	Hot melt butyl IG perimeter sealant	Cleveland, Ohio	0 g/L	0%	no	not available	yes				
EnerSEAL 340R	IG Spacers & Edge Sealants	Reactive hot melt IG perimeter sealant	Cleveland, Ohio	0 g/L	0%	no	not available	yes				
EnerSEAL JS680	IG Spacers & Edge Sealants	Polyisobutylene primary sealant for framed IG spacers	Cleveland, Ohio	0 g/L	0%	no	not available	yes	yes		 	
EnerSEAL JS780S	IG Spacers & Edge Sealants	Polyisobutylene IG primary sealant for desiccated foam spacers	Cleveland, Ohio	0 g/L	0%	no	not available	yes				
ExoAir Flex Foam	Selants & Mastics	Single-component, polyurethane flexible foam sealant (*Air barrier)	Arkel, Zuid-Holland	153 g/L	15.4%	no	not available	yes				This product is typically used as an exterior applied product, as such, it does apply to the Low Emitting Materials credit in LEED v4.1.
ExoAir LEF	Selants & Mastics	Single-component, polyurethane foam sealant (*Air barrier)	Arkel, Zuid-Holland	210 g/L	<1%	no	not available	yes	yes		 	
GUTTERSEAL + (Clear)	Selants & Mastics	Gutter sealing elastomeric sealant	Toronto, Ontario, Canada	334 g/L	36%	no	not available	yes	Clear is exempt			VOC content values are as reported for the highest VOC content color for all Gutter Seal colors. Other colors may have a lower VOC content reported on their SDS
GUTTERSEAL+ (White and Colors)	Selants & Mastics	Gutter sealing elastomeric sealant	Toronto, Ontario, Canada	<20 g/L	<4%	no	not available	yes				

Product	Product Category	Description	Location of Manufacture	Sealant VOC (grams/L)	Sealant VOC % by Weight	Single Extracted Material	Manufacturing Inventory Available	Lower than SCAQMD rule 1113	Adheres to CFPH Standard V1.1-2010	Living Building Challenge	Greenguard Certified	Additional Info
HDPE Protection/Barrier Courses (Root and Vapor)	Selants & Mastics	High-density polyurethane protection sheet barrier	Spearfish, South Dakota	0 g/L	0%	no	not available	yes				
Proglaze	Selants & Mastics	Single-Component, moisture cure, acetoxysilicone sealant for glazing	Cleveland, Ohio	36 g/L	3.5%	no	yes	yes	yes	Red List Free	 	VOC content values are as reported for the highest VOC content color for all Proglaze colors. Other colors may have a lower VOC content reported on their SDS.
Proglaze ETA	Gaskets, Tapes & Extrusions	Silicone sealant	Ashland, Ohio	0 g/L	0%	no	yes	yes	yes	Red List Free	 	
Proglaze ETA Extruded Aluminum Adapter	Gaskets, Tapes & Extrusions	Silicone sealant	Newnan, Georgia	0 g/L	0%	no	not available	yes	yes		 	Recycled content for this product is 60% (55% Post-Industrial and 5% Post Consumer). Because this product is partially created with recycled content, consumers are able to work towards one Building Product Disclosure and Optimization - Raw Materials Extraction point. 100% recyclable after reaching end of life.
Proglaze SSG	Selants & Mastics	Single-component, neutral-cure, silicone sealant for structural glazing	Toronto, Ontario, Canada	14 g/L	1.20%	no	yes	yes	yes	Red List Free	 	
Reinforcing Fabric	Selants & Mastics	Polyester fabric	Toronto, Ontario, Canada	0 g/L	0%	no	yes	yes	yes			
SGT-900 Series Tape	Gaskets, Tapes & Extrusions	Polyurethane foam tape (Article)	Ashland, Ohio	0 g/L	0%	no	not available	yes	yes		 	
Spectrem 1	Selants & Mastics	Single-component, moisture cure, ultra-low modulus silicone sealant.	Toronto, Ontario, Canada	1 g/L	<1%	no	yes	yes	yes	Red List Free	 	*Red List Free dependent upon color.
Spectrem 2	Selants & Mastics	Single-component, neutral-cure, silicone sealant for 2-sided structural glazing	Toronto, Ontario, Canada	42 g/L	3%	no	yes	yes	yes	Red List Free	 	VOC content values are as reported for the highest VOC content color for all Spectrem 2 colors. Other colors may have a lower VOC content reported on the SDS. *Red List Free dependent upon color.
Spectrem 3	Selants & Mastics	Single-component, non-staining sealant with advanced silicone technology	Toronto, Ontario, Canada	18 g/L	1%	no	yes	yes	yes		 	VOC content values are as reported for the highest VOC content color for all Spectrem 2 colors. Other colors may have a lower VOC content reported on the SDS.
Spectrem 4-TS	Selants & Mastics	Multi-component, non-staining sealant with advanced silicone technology	Toronto, Ontario, Canada	18 g/L	1%	no	yes	yes	yes		 	

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Spectrem 800	Selants & Mastics	Single-component, moisture cure, silicone sealants for highway and parking applications	Toronto, Ontario, Canada	1 g/L	<1%	no	yes	yes	yes	Red List Free	 	*Red List Free dependent upon color.
Spectrem 900SL	Selants & Mastics	Single-component, moisture-cure, silicone sealants for highway and parking application	Toronto, Ontario, Canada	1 g/L	<1%	no	yes	yes				
Spectrem Simple Seal	Gaskets, Tapes & Extrusions	Silicone extrusion (Article)	Harbor Springs, Michigan	0 g/L	0%	no	not available	yes	yes		 	
Tremco Acoustical Sealant	Selants & Mastics	One-part, non-skinning, sound damping sealant	Toronto, Ontario, Canada	155 g/L	10%	no	yes	no		Red List Free		
Tremco ET 675	Gaskets, Tapes & Extrusions	Extruded flow-resistant butyl tape	Toronto, Ontario, Canada	0 g/L	0%	no	not available	yes		Red List Free		
Tremflex 834	Selants & Mastics	Siliconized acrylic latex sealant	Toronto, Ontario, Canada	22 g/L	<1%	no	yes	yes	yes	Red List Free	 	VOC content values are as reported for the highest VOC content color for all Tremflex 834 colors. Other colors may have a lower VOC content reported on the SDS.
Tremflex 834 Clear	Selants & Mastics	Siliconized acrylic latex sealant	Toronto, Ontario, Canada	22 g/L	<1%	no	yes	yes	yes	Red List Free	 	VOC content values are as reported for the highest VOC content color for all Tremflex 834 colors. Other colors may have a lower VOC content reported on the SDS.
TremGlaze S500+	Selants & Mastics	One-part, medium-modulus, neutral-curing, silicone sealant ideal for window and door glazing	Toronto, Ontario, Canada	34 g/L	3.3	no	not available	yes		Red List Free	 	VOC content values are as reported for the highest VOC content color for all TremGlaze S500 + colors. Other colors may have a lower VOC content reported on the SDS.
TremGlaze S600	Selants & Mastics	One-part, medium-modulus, in-plant silicone glazing sealant	Toronto, Ontario, Canada	33 g/L	2	no	yes	yes				VOC content values are as reported for the highest VOC content color for all TremGlaze 600 colors. Other colors may have a lower VOC content reported on the SDS.
TremGlaze S700	Selants & Mastics	Single-component, high-modulus, neutral-cure silicone sealant glazing sealant	Toronto, Ontario, Canada	9 g/L	<1%	no	yes	yes		Red List Free		
TremGlaze S900	Selants & Mastics	Multi-component, reactive back bedding sealant	Toronto, Ontario, Canada	0 g/L	0	no	yes	yes				
TremGlaze SA1100	Selants & Mastics	Paintable siliconized acrylic latex sealant	Toronto, Ontario, Canada	14 g/L	0.65%	no	yes	yes	yes	Red List Free	 	
TremGlaze UA1300	Selants & Mastics	Single-component, urethane acrylic sealant	Greenville, South Carolina	18 g/L	1%	no	not available	yes		Red List Free		
TremGlaze U1600	Selants & Mastics	Low modulus, single-component, moisture curing, hybrid sealant	Toronto, Ontario, Canada	6 g/L	0%	no	yes	yes				

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TREMgrip	Selants & Mastics	Single-component, quick tack adhesive	Toronto, Ontario, Canada	<1 g/L	<1%	no	yes	yes				
TREMprime Silicone Metal Primer	Selants & Mastics	Single-component primer used to enhance adhesion of silicone sealants on nonporous surfaces	Toronto, Ontario, Canada	671 g/L	85%	no	yes	no		Red List Free		
TREMprime Silicone Porous Primer	Selants & Mastics	Single-component primer used to enhance adhesion of silicone sealant to porous surfaces	Munich, Germany	252 g/L	11%	no	not available	yes		Red List Free		
TremPro 626	Selants & Mastics	One-part, medium, gun grade polyurethane sealant	Cleveland, Ohio	47 g/L	2.60%	no	yes	yes				
TremPro 635	Selants & Mastics	Low-to-medium modulus, single-component, gun grade polyurethane sealant	Cleveland, Ohio	5 g/L	0%	no	yes	yes				
TremPro 638 SSL	Selants & Mastics	Low-modulus, one-component, semi-self-leveling polyurethane sealant	Cleveland, Ohio	0 g/L	0%	no	yes	yes				
TremPro 644 HT	Selants & Mastics	One-part, high temperature, silicone sealant	Cleveland, Ohio	30 g/L	2%	no	yes	yes	yes	Red List Free*	 	*Red List Free dependent upon color.
TremPro 644 RTV	Selants & Mastics	One-part, general purpose, acetoxysilicone sealant	Nunschritz, Germany	1 g/L	0%	no	yes	yes	yes	Red List Free	 	
TremPro 645	Selants & Mastics	Single-component, medium-modulus, neutral-cure silicone sealant	Toronto, Ontario, Canada	30 g/L	2%	no	yes	yes	yes	Red List Free		
TREMPRO 830+ (Clear)	Selants & Mastics	One-part, thermoplastic, elastomeric glass and siding sealant	Toronto, Ontario, Canada	334 g/L	36.25%	no	not available	yes	Clear is exempt	Red List Free		VOC content values are as reported for Tremco 830+ Clear. Tremco 830+ colors have a lower VOC content reported on the SDS.
TREMPRO 830+ (White and Colors)	Selants & Mastics	One-part, thermoplastic, elastomeric glass and siding sealant	Toronto, Ontario, Canada	<20 g/L	<4%	no	not available	yes		Red List Free*		VOC content values are as reported for all Tremco 830+ colors. Tremco 830+ clear has a higher VOC content reported on the SDS. *Red List Free dependent upon color.
TremPro JS-773+	Selants & Mastics	Non-skinning, non-drying, flexible, synthetic butyl elastomer acoustical sealant	Toronto, Ontario, Canada	151	<10%	no	not available	no				
TremPro PU1000	Selants & Mastics	Single component collapsible foam adhesive	Arkel, the Netherlands	153 g/L	15.18%	no	not available	yes				
Tremsil 200	Selants & Mastics	Single-component, acetoxysilicone sealant	Toronto, Ontario, Canada	1 g/L	0%	no	yes	yes	yes	Red List Free	 	

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Tremsil 400	Selants & Mastics	Single-component, neutral-cure silicone sealant	Toronto, Ontario, Canada	42 g/L	3%	no	yes	yes		Red List Free		VOC content values are as reported for the highest VOC content color for all Tremsil 400 colors. Other colors may have a lower VOC content reported on their SDS
Tremsil 600	Selants & Mastics	Single-component, neutral cure, fast skinning, medium modulus silicone sealant for glazing	Toronto, Ontario, Canada	33 g/L	2%	no	yes	yes	yes		 	VOC content values are as reported for the highest VOC content color for all Tremsil 600 colors. Other colors may have a lower VOC content reported on their SDS
TREMstop Acrylic	Firestopping	Acrylic latex sealant for use in firestop applications	Toronto, Ontario, Canada	38 g/L	1%	no	yes	yes	yes	Red List Free	 	VOC content values are as reported for the highest VOC content color for all Tremstop Acrylic colors. Other colors may have a lower VOC content reported on their SDS.
TREMstop Acrylic Spray	Firestopping	Sprayable acrylic latex sealant for use in firestop applications	Toronto, Ontario, Canada	40 g/L	1%	no	not available	yes	yes	Red List Free	 	
TREMstop Fire Mortar	Firestopping	One-part, fast setting, fire resistive microsilica compound	Toronto, Ontario, Canada	0 g/L	0%	no	yes	yes		Red List Free		
TREMstop FS Blanket	Firestopping	Firestopping fiber insulation blanket (Article)	Toronto, Ontario, Canada	<1 g/L	1%	no	not available	yes				
TREMstop Fyre-Sil	Firestopping	Gun-grade, neutral-cure, silicone sealant for use in firestop applications	Toronto, Ontario, Canada	26 g/L	2%	no	yes	yes	yes	Red List Free*	 	Please reach out to Tremco for assistance on which colors can be used for Living Building Challenge credit. *Red List Free depending on grade
TREMstop Smoke and Sound Sealant	Firestopping	Gun-grade, acrylic latex sealant	Toronto, Ontario, Canada	14 g/L	0.67%	no	yes	yes		Red List Free		
TREMstop Smoke and Sound Spray	Firestopping	Sprayable acrylic latex sealant	Toronto, Ontario, Canada	35 g/L	1%	no	yes	yes	yes	Red List Free	 	
TREMstop SuperStrip	Firestopping	Graphite-based intumescent wrap strip	Burlington Township, New Jersey	<1 g/L	1%	no	yes	yes	yes	Red List Free	 	VOC content values are lower than the limits set by SCAQMD Rule 1113.
Vulkem 116	Selants & Mastics	Textured, single-component polyurethane sealant	Cleveland, Ohio	<50 g/L	<2%	no	yes	yes				VOC content values are as reported for the highest VOC content color for all Vulkem 116 colors. Other colors may have a lower VOC content reported on their SDS.
Vulkem 445SSL	Selants & Mastics	Field-tintable, semi-self-leveling, multi-component, polyurethane sealant.	Cleveland, Ohio	106 g/L	8.42%	no	yes	yes				
Vulkem 45SSL	Selants & Mastics	Semi-self-leveling, single-component, polyurethane sealant	Cleveland, Ohio	108 g/L	8.19%	no	yes	yes				

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Willseal 250-B	Expansion Joints & Transitions	Precompressed expansion joint (Article)	Hudson, New Hampshire	<1g/L	<1%	no	not available	yes	yes		 	
Willseal 250-CM	Expansion Joints & Transitions	Precompressed expansion joint (Article)	Hudson, New Hampshire	<1g/L	<1%	no	not available	yes	yes		 	
Willseal 250-R	Expansion Joints & Transitions	Precompressed expansion joint (Article)	Hudson, New Hampshire	<1g/L	<1%	no	not available	yes	yes		 	
Willseal 600	Expansion Joints & Transitions	Precompressed expansion joint (Article)	Bodenwohr, Bavaria, Germany	<1g/L	<1%	no	not available	yes	yes	Red List Free	 	
Willseal STC	Expansion Joints & Transitions	Precompressed expansion joint (Article)	Hudson, New Hampshire	<1g/L	<1%	no	not available	yes	yes	Red List Free	 	
Willseal Backer Roll	Expansion Joints & Transitions	Precompressed expansion joint (Article)	Bodenwohr, Bavaria, Germany	<1g/L	<1%	no	not available	yes	yes	Red List Free	 	
Willseal Coreseal	Expansion Joints & Transitions	Precompressed expansion joint (Article)	Hudson, New Hampshire	<1g/L	<1%	no	not available	yes	yes		 	
Willseal Coresal H	Expansion Joints & Transitions	Precompressed expansion joint (Article)	Hudson, New Hampshire	<1g/L	<1%	no	not available	yes	yes		 	
Willseal Coresal V	Expansion Joints & Transitions	Precompressed expansion joint (Article)	Hudson, New Hampshire	<1g/L	<1%	no	not available	yes	yes		 	
Willseal Coresal-CM	Expansion Joints & Transitions	Precompressed expansion joint (Article)	Hudson, New Hampshire	<1g/L	<1%	no	not available	yes	yes		 	
Willseal Coresal-R	Expansion Joints & Transitions	Precompressed expansion joint (Article)	Hudson, New Hampshire	<1g/L	<1%	no	not available	yes	yes		 	
Willseal Seismic	Expansion Joints & Transitions	Precompressed expansion joint (Article)	Hudson, New Hampshire	<1g/L	<1%	no	not available	yes	yes		 	
Willseal Seismic HS	Expansion Joints & Transitions	Precompressed expansion joint (Article)	Hudson, New Hampshire	<1g/L	<1%	no	not available	yes	yes		 	

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Products that adhere to the California Department of Public Health (CDPH) Standard Method V1.1-2010, is a standard vital to demonstrate compliance with LEED.

We are pleased to report that products without any Red List Chemicals can be used to assist in finishing projects aimed towards achieving a Living Building Challenge Certification.



Tremco Construction Products Group (CPG) brings together Tremco CPG Inc. and its Dryvit and Nudura brands; Willseal; Prebuck LLC; Tremco Barrier Solutions, Inc.; Weatherproofing Technologies, Inc. and its Pure Air Control Services and Canam Building Envelope Specialists offerings; and Weatherproofing Technologies Canada, Inc.



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