



THERMO-SIL PRO™ SEAM SEALER

TECHNICAL DATA SHEET

Product Use and Design

Thermo-Sil Pro™ Seam Sealer is high-performing, professional grade seam sealer. It is designed to seal abnormal roof penetrations that cannot be covered with standard sprayers or rollers. It features low odor, ease of application, fast moisture cure, and superior adhesion to a variety of substrates. Once cured, Thermo-Sil Pro™ Seam Sealer forms a durable, breathable and water resistant barrier that is resistant to degradation from UV and natural weathering.

Application Equipment

Thermo-Sil Pro™ Seam Sealer may be applied by stiff brushes, trowel, or gloved hand.

Mixing Procedure

Thermo-Sil Pro™ Seam Sealer should never be thinned. If settling of packaged container occurs, stir or shake material prior to use.

Surface Preparation and Priming

All surfaces must be clean, dry, free from oils and other contaminants. It may be necessary to power wash and/or prime to ensure adhesion.

Product Application

Apply Thermo-Sil Pro™ Seam Sealer to ensure a uniform build and thorough coverage typically applied in one application. Apply only to roofs with adequate positive drainage. Make sure roof is well ventilated. If applying in multiple applications, allow adequate time between each application to cure before applying additional material. Lower temperatures and higher humidity prolongs drying and curing time. Final cured thickness must be free of voids, pinholes, cracks or blisters. Full cure time is 24 hours. Consult Huntsman Building Solutions Technical Service personnel or refer to specifications for complete details.

Coverage

Recommended coverage rate of 100 linear feet per gallon. Application rates may vary by surface, porosity and job conditions.

Cautions & Recommendations

Thermo-Sil Pro™ Seam Sealer should not be applied to unprepared surfaces that are wet, dusty, oily, mildewed, heavily chalked, blistered or structurally unsound. It is recommended to use Thermo-Sil Pro™ Bleed Blocker on asphaltic and/or bituminous substrates prior to the application of Thermo-Sil Pro™ Seam Sealer to mitigate discoloration and bleeding effect from occurring.

Weather Restrictions

Thermo-Sil Pro™ Seam Sealer should not be applied at ambient temperatures below 40°F. All surfaces must be clean, dry, and sound; free of loose and peeling coatings and mastics, grease, oil, efflorescence, curing agents, form release agents, dirt, mildew and other detrimental foreign matter that will adversely affect adhesion and product performance.

Clean Up

Promptly clean up equipment and tools containing uncured material with mineral spirits or toluene. DO NOT USE water or alcohol based solvents.

Shelf Life:

18 months from manufactured date when stored in unopened containers and between 35°F - 75°F. Refer to product packaging for manufacture date.

Packaging

U.S. MEASURES: 2.0 Gallons (7.57 liters)

Shipping Information

Class 55 for 2.0 Gallons (7.57 liters)

Physical Properties

Properties	Test Method/Requirements	Value
Tensile Strength:	ASTM D-412	305 psi (±10) @ 73°F
Elongation:	ASTM D-412	60% (±10) @ 73°F
Solids by Volume:	ASTM D-2697	91% (±2)
Solids by Weight:	ASTM D-2697	97% (±2)
Tear Resistance:	ASTM D-624	25 (±5) lbf/in @ 73°F
VOC:		<50 grams per liter
Tack Free Cure:		2 hours
Dry to Touch:		6 Hours

Ponding Water

Thermo-Sil Pro™ Seam Sealer can be applied over properly prepared surfaces that exhibit ponded water, however, The National Roofing Contractors Association (NRCA) considers ponding water an undesirable non-standard roofing practice and recommends that all roof systems be designed and built to ensure positive drainage. (See the NRCA Roofing and Waterproofing Manual). Please contact Tropical Roofing Products Technical Department for any specific questions regarding the application of this product.

General Health & Safety Precautions

This product is intended for use by trained professional personnel. Safety Data Sheets are available and any individual who may come in contact with these products should read and understand the S.D.S. In case of emergency contact CHEMTREC EMERGENCY NUMBER at (800) 424-9300.

WARNING: Avoid eye contact with the liquid or spray mist. Applicators should wear protective clothing, gloves and use protective equipment on face, hands and other exposed areas.

EYE PROTECTION: Safety glasses, goggles, or a face shield are recommended.

SKIN PROTECTION: Chemical resistant gloves are recommended. Cover as much of the exposed skin area as possible with appropriate clothing.

RESPIRATORY PROTECTION is MANDATORY! Respiratory protective equipment, impervious foot wear and protective clothing are required at all times during spray application. Contact Huntsman Building Solutions for a copy of the Respiratory Protection Program developed by OSHA.

DISCLAIMERS

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