



Thermoplastic Single Ply and Multi-Ply Roofing Systems

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FLEX POURABLE SEALER **(Produced by Sonneborn)**

DESCRIPTION

Flex Pourable Sealer is a high-performance, single component, polyurethane-base, self-leveling pitch pan sealant. Flex Pourable Sealer is self-priming and requires no mixing; it is simply poured in place and cures to form a resilient, tough seal. Flex Pourable Sealer produces a flexible, long-lasting seal with extraordinary adhesion, cohesion, elasticity and abrasion resistance.

THIS PRODUCT IS FORMULATED TO PROVIDE:

- Single component sealant which requires no mixing.
- Functions from - 40° F to 180° F.
- Bonds to most substrates without a primer.
- Resists penetration and puncturing by sharp objects.
- Resists permanent deformation from compression.
- Resists deterioration from weather, stress, movement, water, and aging without distortion or failure.

SUGGESTED USES

Flex Pourable Sealer is used to seal objects that are difficult to flash requiring a pitch pan installation.

TYPICAL PHYSICAL PROPERTIES

<u>Property</u>	<u>Test Method</u>	<u>Result</u>
Service temperature range		-40° F to 180° F
Expected life		Up to 20 years
Shrinkage		None
Movement capability	ASTM C 719	±25%
Tensile strength	ASTM D 412	350 psi
Ultimate elongation at break	ASTM D 412	800%
Lower temperature flexibility	ASTM C 746	-40° F
Hardness at standard	ASTM C 661	25 ±2
Conditions/Shore A		
Accelerated weathering	Atlas 6500 – watt xenon arc	Excellent

VOC Content: 75.2 g/L or 0.63 lbs. of V.O.S. per gallon of material.

INSTALLATION

Surface Preparation

Pitch pans or joints must be clean, dry, and free of any foreign materials for optimum performance. Pitch pan surfaces must be structurally sound and free of all loose aggregate, paint, oil, grease, asphalt, wax, mastic compounds, waterproofing compounds, or form release materials. **NOTE:** Do not install when rain is expected before the sealant reaches initial cure. Substrates must be absolutely dry or bubbling may result. ****All Flex Roof Systems require pitch pans to be made of Flexclad coated metal.**

Method of Application

- 1) Install Flexclad Pitch Pan around the penetrating object according to Flex's current specifications and details.
- 2) Fill bottom of pitch pans with concrete or other suitable fillers. Do not use other caulks or sand as a bottom bed in a pitch pan. Flow the sealant into the pitch pan and taper the sealant outward to provide positive drainage. The maximum depth should be 3/8" deep.

Curing Times

Cure of Flex Pourable Sealer will vary with temperature and humidity. Under normal conditions (75° F and 50 % humidity), Flex Pourable Sealer will have a skin overnight or within 24 hours and will fully cure in approximately one week.

Clean Up

Immediately after use and before sealant has cured, clean equipment or material with an approved, suitable cleaner or solvent.

FOR BEST PERFORMANCE

- Protect unopened containers from heat and direct sunshine.
- In cool or cold weather, store containers at room temperature for at least 24 hours before using.
- Do not apply over freshly treated wood; treated wood must have weathered for at least 6 months.
- Do not apply below freezing temperatures unless substrates are completely dry, free of moisture, and clean.
- Polyurethane sealants should not come in contact with oil-base caulking, silicone, sealants, polysulfides, fillers impregnated with oil, asphalt, or tar.

COMPLIANCES

Federal Specification TT-S-00230C, Type I, Class A
ASTM C 920, Type S, Grade P, Class 25
Corps. of Engineers CRD-C-544-91

WARNING

This product contains polyol, fumed silica, mineral spirits, talc, quick lime, and titanium dioxide which could be harmful if mishandled. Contact with skin and eyes should be avoided and necessary protective equipment and clothing should be worn. This is a combustible liquid.

Flex Membrane International, Inc., maintains Material Safety Data Sheets (MSDS) on all of its products. Material Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees and customers. Flex Material Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Flex products in your facilities.