

PARAFLEX LIQUID MEMBRANE



Commercial Product Data Sheet

Product Description

Paraflex Liquid Membrane is a high-performance, single component, moisture-cured resin using silane terminated polymer (STP) technology. Paraflex Liquid Membrane is the liquid component used to field-construct Paraflex Roofing Membranes and Paraflex Metal Roof Coating Systems.

Product Uses

Paraflex Liquid Membrane is combined with Pro Fleece to form a monolithic, reinforced roof membrane in a Paraflex Liquid Membrane System. Consult the Paraflex Liquid Membrane Installer's Guide for detailed information. Paraflex Liquid Membrane is typically unreinforced when used as a field membrane in the Paraflex Metal Roof Coating System.

Color

Paraflex Liquid Membrane is supplied in medium gray and white colors.

Packaging

Paraflex Liquid Membrane is supplied in 4-gallon resealable plastic pails.

Coverage/Consumption Rates in a Paraflex Liquid Membrane System

Minimum total consumption over smooth-surfaced substrates:
0.056 gallons/square foot
Base coat: 0.037 gallons/square foot
Top coat: 0.019 gallons/square foot
Coverage per 4-gallon pail: 70 square feet
Average consumption: Rates will vary depending upon guarantee term when used as a field membrane in a Paraflex Metal Roof Coating System.

See Siplast specifications and details for specific applications. Consumption rates do not include waste or coverage factors, including material required to saturate roller covers or brushes. Yields will vary depending upon the substrate porosity and texture.

Application Conditions

Maintain a minimum product temperature of 55°F (13°C) and a minimum ambient and substrate temperature of 40°F (5°C) at the point of application. Do not apply product if the ambient or substrate temperature is within 5°F of the dew point.

Storage

Product shelf life is 6 months from ship date. Store indoors in the factory-sealed container in a dry area having an ambient temperature between 40°F (5°C) and 90°F (32°C). Ensure that the lid is well secured/sealed to prevent exposure to moisture. A skin may form on the surface of product in less than full pails. Peel away the layer of cured material to expose fluid product. Stir product before use.

Handling

Avoid skin and eye contact with this material. Do not eat, drink or smoke in the application area. Consult the Safety Data Sheet (SDS) for more information on handling and disposal of this product.

VOC Content: Less than 25 g/L

Personal Protection Equipment

Workers must wear a long-sleeved shirt, long pants and work boots. Use butyl or nitrile gloves when handling or applying product. Safety goggles are required for eye protection. Consult the Safety Data Sheet (SDS) for more information on personal protection.

Pot Life

Paraflex Liquid Membrane pot life is approximately 60 minutes.

Set Times

Dry to touch: 30 minutes
Rainproof after: 90 minutes
Can be trafficked after: 6 hours
Full cure after: 72 hours

All times are approximate and are based upon application of product at 70°F (21°C) and 50% relative humidity. The times referenced above will be longer at lower temperatures/humidity and shorter under higher temperature/humidity conditions.

Tool Cleaning

When work is interrupted or completed, reusable tools must be thoroughly cleaned with Pro Prep M or a citrus-based cleaner before product hardens.

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Paraflex Liquid Membrane Physical and Mechanical Properties

Property (as installed)	Values / Units	Test Method
Membrane Thickness	90 mils (2.3 mm)	ASTM D5147 - section 6
Peak Load @ 73°F	55 lbf/in	ASTM D5147- section 7
Elongation @ Peak Load	35%	ASTM D5147 - section 7
Shore A Hardness	80	ASTM D2240
Low Temperature Flexibility	(-40°F [-40°C])	ASTM D5147 - section 12
Dimensional Stability (maximum movement)	0.15%	ASTM D5147 - section 11
Tear Strength	60 lbf	ASTM D5147 - section 8
Water Vapor Transmission	0.47 perms	ASTM E96

Values in this table are based on testing/evaluation of 90-mil (2.3 mm) Paraflex Liquid Membrane reinforced with Pro Fleece.