

POLAROOF SP™

Elastomeric Waterproofing Coating



DESCRIPTION

POLAROOF SP is a premium quality, water-based, single component waterproofing coating for all standard roofing substrates. Designed for permanent flexibility and toughness, POLAROOF SP provides a finish that is architecturally enhancing, long-lasting, and weatherproof.

OUTSTANDING FEATURES

- Can be used over metal, tin, aluminum, concrete, wood, foam, composite roofing, slate, tile and others
- Produces a fully adhered, lightweight, seamless, waterproofing membrane
- Protects substrate against rust, corrosion, UV damage and acid rain
- Easy to apply straight out of the container by brush, roller or airless spray
- Remains flexible, tough and weatherproof at low temperatures and will not flow at high temperatures
- Water-based formula means quick and easy cleanup
- Will not re-emulsify or wash away with rainwater
- Will not become brittle and crack with age
- Can be easily be recoated

APPLICATION

Surfaces must be dry, free of dirt, loose debris, oils, greases or any substance that could interfere with bond. All repairs of damage or defects must be made prior to application.

POLAROOF SP is applied straight out of the can after 2 minutes of gentle low speed mixing or stirring. Apply the product using brush, roller or spray technique. Apply in two coats to a uniform wet film thickness of about 20 mils per coat to insure complete coverage on the 2nd coat. Apply the 2nd coat after the 1st coat has set (about 2-4 hours). For spray applications, use a 30:1 ratio Graco with a #36 tip or similar equipment. For soft brush or high nap roller application, use light pressure and coat in a cross

direction to the 1st coat. For additional information, contact our Technical Department.

LIMITATIONS

Do not apply to frozen or saturated surfaces. Do not apply if the temperature is predicted to drop below 35°F within 4 hours after application is completed. Do not apply if rain is forecast within 4 hours of completion of application. Protect POLAROOF SP from freezing. In roofing areas where water is likely to pond and be present for more than 1 day after precipitation, it is advisable to topcoat the POLAROOF SP with CLEARCOAT 44 or CLEARCOAT AQ. Apply the CLEARCOAT in these areas at a rate of 1 gallon per 200 square feet.

SPECIFICATIONS	
Coating	Water-based, single component waterproofing coating
VOC	0 gms/liter
Pot Life	Single component
Shelf Life	12 months in closed containers stored indoors
Recommended Thickness	2 coats, 20 mils per coat
Coverage	1-1/4 to 1-3/4 gallons per 100 square feet per coat
Packaging	1 Gal, 5 Gal, 55 Gal
Color	White and other tints

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PRECAUTIONS

POLAROOFF SP is an alkaline, water-based product. Avoid contact with skin and eyes. In case of contact, immediately flush with water. For eyes, get medical attention in addition to flushing. Avoid inhalation of spray mist. If spray mist is inhaled, seek immediate medical attention. In case of ingestion,

immediately contact a physician. Wear rubber gloves, coveralls, and safety goggles when applying.

MAINTENANCE

If surface becomes dirty or stained, wash with a mild soapy water solution. If an area becomes nicked or cut, recoat with POLAROOFF SP.

Clean tools and equipment with water before the POLAROOFF SP dries; after that, solvent cleaning may be necessary.

For more information, call our Technical Department.

Keep out of reach of children and pets.

TECHNICAL DATA		
Moisture Vapor Transmission	2.28 perms	ASTM E-96
Tensile Strength	350 psi	ASTM D-412
Elongation	800%	ASTM D-412
Impact Resistance	4mm indent. pass	ASTM D-1474
Solids	60% (B.W.); 65% (B.V.)	ASTM D-1044
Flashpoint	Non-flammable	ASTM D-3278
Fire Rating	Class A	ASTM E-108
Shore 'A' Hardness	53 degrees	ASTM D-2240
Weatherometer (5000 hours)	Pass	ASTM G-23
Tear Resistance	100 lb/inch	ASTM D-624
Viscosity	110 KU	ASTM D-562
Density	Average 13.2 lb/gallon	ASTM D-1475
Drying Time	4 hours (70°F @ 50% R.H.)	ASTM D-1640
Resistance to Thermal Cycling	Pass 100 Cycles	ASTM D-6944

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