

VFI®-3218 1:1 EPOXY PRIMER

VFI-3218 1:1 Epoxy Primer is a two-component, water-based roof primer that can adhere to many substrates. It promotes the bond between silicone, acrylic, or urethane roof coatings and almost any existing roof substrate. A strong epoxy primer will prepare your roof for the application of a maintenance coating, eliminating adhesion failures and the need for costly repairs.

- Penetrates and seals porous substrates to improve the adhesion of top coats
- A 1:1 mix ratio allows for easy mixing at different volumes without wasting a whole kit
- Epoxide-based material is versatile to provide great adhesion to many different substrates
- Grey coloring contrasts with top coat colors to highlight areas in need of more coverage
- Offers lower VOC levels than the EPA-regulated amount
- Can be applied to almost any substrate

LIQUID PROPERTIES	TEST METHOD	TEST RESULTS
Solids by Weight	ASTM D1644	60%
Solids by Volume	ASTM D2697	42.5%
Liquid Density A Side	ASTM D1475	11.72 lbs/gal
Liquid Density B Side	ASTM D1475	11.72 lbs/gal
Mixed Liquid Density	N/A	11.66 lbs/gal
Specific Gravity A Side	N/A	1.405 g/mL
Specific Gravity B Side	N/A	1.405 g/mL
Mixed Specific Gravity	N/A	1.40 g/mL
Ratio by Volume (A:B)	N/A	1A:1B
Ratio by Weight (A:B)	N/A	1A:1B
Recoat Window	N/A	between 8 hrs - 7 days
Full Cure	N/A	7 days
VOC	N/A	48 g/L

MANUFACTURER OF HIGH PERFORMANCE POLYMERS

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EQUIPMENT

The primer can be applied to the substrate with industrial paint brushes or nap rollers.

SURFACE PREPARATION

Repair damaged structural components, including drains, vents, flashing, seams, etc. Clean the surface of contaminants that may inhibit adhesion, including oil, dirt, films, or other debris. Use a power washer and roof-cleaning detergent like VFI-1009 on hard-to-clean areas. Use a concentrated chlorine solution to clean mildew, fungus, or algae spots. Rinse off all cleaning agents and allow the roof to dry before priming.

MIXING

Premix the A side (Iso) before adding the B side (hardener) to the A side container. Mix them until uniform. Mixing times will depend on volume and mixing method.

APPLICATION REQUIREMENTS

During application and before a topcoat is applied, the outside temperature must be between 50°F - 120°F, and rain or moisture cannot be present. Bring VFI-3218 to a minimum temperature of 65°F before use. Apply the primer to the roof at a minimum rate of .25 gallons per square or 400 square feet per gallon. Check specifications for required wet and dry film thickness. The primer will need a minimum of 8 hours to fully cure. Cure time may vary depending on temperature and humidity. After curing, a top coat must be applied to the primed surface within 48 hours.

CLEANING

Clean tools, equipment, and spray lines with water. If the epoxy has cured, mineral spirits can be used as a cleaning solution.

STORAGE/SHELF LIFE

The material shelf life is 12 months from the date of manufacture. Store in a dry, temperature-controlled space in sealed and unopened containers between 60°F - 90°F. As a water-based product, it should be protected from freezing.

PRECAUTIONS

VFI-3218 is not a UV color-stable product and has no long-term UV testing. Protect the material from freezing. Avoid breathing in vapors or repeated skin contact. Do not thin or add foreign material to the product. See Safety Data Sheet for complete safety data.