



PO Box 6256
Mobile AL, 36606
1-800-771-6643

PRODUCT DATA SHEET

Polyurea 540

DESCRIPTION

Polyurea 540 is a 100% solids, plural component, fast set elastomeric coating uniquely formulated for the protection of sprayed-in-place polyurethane foam insulation and traditional roofing substrates, such as Metal, Concrete, Modified Bitumen and BUR surfaces. Once cured this liquid applied moisture-curing polymer provides a durable, seamless, flexible, waterproof membrane that resists lateral movement, shear and will allow for normal expansion and contraction.

ADVANTAGES

- Superior protection - forms a durable, weather resistant "rubber-like" seal.
- Excellent UV protection.
- Superior adhesive and cohesive strength.
- Reduces daily expansion and contraction (thermal cycling) of roofing substrates.
- Excellent reflective properties which helps to reduce cooling costs. Prevents premature degradation.
- Superior elongation and tensile strength.
- Superior resistance to dirt pick-up.

BASIC USES

Polyurea 540 was specifically developed as a protective coating for sprayed-in-place polyurethane foam roofing. With excellent adhesion, Polyurea 540 may be used as well for protection of conventional commercial/industrial surfaces such as, but not limited to concrete, modified bitumen, BUR, and metal.

INSTALLATION

All surfaces to be coated must be cleaned properly. Power washing is recommended. Any existing coating must be checked for good adhesion. Before application, any loosely adhered coating must be removed and bare surfaces must be prepared, cleaned and checked for compatibility.

Stirring may be required to ensure uniformity of the material, particularly if products have been stored at temperatures outside of the recommended range.

Apply with plural component airless equipment. Material must be maintained between 160 F and 170°F during application. For best results maintain pressures at or above 2,000 psi. May apply up to 100 mils.

WARRANTY

American WeatherStar warrants that the material supplied will meet or exceed physical properties as published. The contractor guarantees that workmanship will be free of defects in coating application. Since performance of previously installed substrate is beyond the control of American WeatherStar or the contractor, requests for additional warranty coverage shall be subject to prior approval by American WeatherStar.



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MAINTENANCE

Periodic maintenance of all American WeatherStar products, including cleaning, will ensure extended service life and maintain reflectivity.

TECHNICAL DATA

Color:	Light Gray
Tensile Strength:	2840 psi 100 psi
Elongation:	650% ± 10%
Hardness:	47
Permeability:	0.02 Perm Inches
Coverage:	2 gallons per 100 sq ft = 32 dry mils 3 gallons per 100 sq ft = 48 dry mils
Recommended Coverage:	Depends on substrate. See application specifications for each surface.
Solids:	Part A (Poly) Part B (Iso)
Weight:	100% 100%
Volume:	100% 100%
Flash Point:	Part A (Poly): NONE Part B (Iso): > 160°F
Dry Time:	40 seconds
Cure Time:	Applied coating will cure in 24 hours with 70°F (21°C) and 40% relative humidity. Lower temperatures and humidity will require longer times to cure.
Clean Up:	Acetone
Packaging:	110 gallon Kits