

# ROOFDX SUPER™

## Urethane Waterproofing Coating



### DESCRIPTION

ROOFDX SUPER is a single component urethane especially designed as a waterproofing membrane for all kinds of roofing. It cures to form a tough, elastic, waterproof seal and may be incorporated into roofing specifications that provide roof protection of 10 and 20 years. ROOFDX SUPER contains corrosion-inhibiting pigments and will protect metals against rust and acid rain.

### OUTSTANDING FEATURES

- Extremely chemical resistant to oils, fats, acids and other contaminants
- Penetrates into gaps and cracks then it swells as it sets to plug leaks
- Saturates easily into reinforcing fabrics and coats evenly over irregular surfaces
- Remains flexible at low temperatures; will not flow at high temperatures
- Effective protection for all climatic extremes over long periods of time
- Exhibits good adhesion to asphalt or coal tar, BUR, Modified, zinc, copper, steel, lead, aluminum, tin, E.P.D.M., concrete and mineral composites
- Provides a high quality membrane that will resist impact, impingement, abrasion and much physical damage
- Restores strength to damaged or weakened substrates and materials
- May be combined with K-Catalyst to reinforce and add strength to surfaces

### APPLICATION

Surfaces must be dry, free of dirt, loose debris, grease, oil, or any substance that could interfere with adhesion. Refer to POLAPRIME data sheet for information regarding selection of appropriate primer if necessary. Application over seams in metal roofs is achieved by embedding ROOFAB into a fresh coat of ROOFDX SUPER applied at 15 mils wet thickness. The fabric is then saturated with a second application at sufficient thickness to remove all voids, fishmouths and dry spots. Bolt heads on metal roofs should be daubed with sufficient ROOFDX SUPER that they are encapsulated to the point of run-down. As soon as the ROOFDX SUPER has dried, it should be coated with a compatible topcoat.

Application over built-up or modified asphalt roofs requires good preparation as described above. If gravel is present, this should be

removed by wet-vac or scraped off and pressure washed. BUILDKOTE or compatible flood coat should be installed to soften the profile of embedded gravel. If the surface is slicktop, capsheet, or re-saturated, this should be vacuumed, blown or pressure washed until clean and, if excessively porous, primed with POLAPRIME 2. Application of ROOFDX SUPER may proceed by embedding 40" ROOFAB into a fresh coat of ROOFDX SUPER applied 1½ gallons per 100 sq ft (66 sq. ft. per gallon); the fabric should be smoothed out without stretching so that it conforms to the surface without voids, tents or dry spots. Begin at the lowest point of the roof and each roll saturated with an even coat of ROOFDX SUPER at 1½ gallons per 100 sq ft (66 sq. ft. per gallon) as soon as the first coat has soaked up and no wrinkles remain. Enough material should be present at the overlap that saturation occurs

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SPECIFICATIONS	
Coating	Moisture-cure urethane
VOC	100 gms/liter
Pot Life	Not applicable (single component)
Shelf Life	2 years (unopened) from date of manufacture
Recommended Thickness	30 mils Dry Film Thickness (DFT)
Coverage	Approximately 33 to 50 square ft per gallon, depending upon substrate
Packaging	5 U.S. gallon pails; also available in 1 gallon pails and 55 gallon drums
Color	Black

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completely without fishmouths or dry spots. Continue application with laps facing downhill to shed water if work is interrupted by precipitation. Sudden precipitation will not wash ROOFDX SUPER off when wet or newly applied, but will produce a mottled, dull appearance that is not detrimental to overall performance. ROOFDX SUPER may be used as an adhesive at loose edges and will form all flashings and joints with the ROOFAB. Black surfaces, by their nature, will absorb heat; this heat buildup causes expansion, followed by contraction as the surface cools. This constant expansion and contraction causes fatigue of the substrate

including the roof beams, fasteners, and other building components. To reduce the intensity of this cyclic fatigue and to reduce demand for air conditioning by lowering temperatures, a coat of a compatible solar-reflective roof coating is recommended. If solar panels or other overburden is to be installed, use appropriate separation layer.

### MAINTENANCE

Damaged areas may be repaired by cleaning surface and application of ROOFDX SUPER and ROOFAB as described in the Application section.

### PRECAUTIONS

Read the container label warning and Material Safety Data Sheet (MSDS) for important health and safety information prior to the use of this product.

**Keep out of reach of children and pets.**

For more information, call our Technical Department.

TECHNICAL DATA		
Moisture Vapor Transmission	0.7 perms	ASTM E-96
Tensile Strength	600 psi	ASTM D-412
Elongation	350%	ASTM D-412
Flexibility at Low Temperature	180 deg. bend @ -10°F	ASTM C-711
Shore 'A' Hardness	55 degrees	ASTM D-2240
Puncture Resistance	120 psi	ASTM D-154-79
Viscosity at 70°F	6,000 cps	ASTM D-446
Solids Content	92% BW 88% BV	ASTM D-1044
Drying Time @ 80°F (70% R.H.)	24 hrs (to walk on)	
Total Cure @ 80°F (70% R.H.)	72 hrs (to 55 deg. Shore 'A')	
Application Equipment	Brush, Roller or Spray	
Cleaning of Equipment	Xylene or Aromatic Naptha	

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