



Product Data Sheet

PRODUCT DESCRIPTION

70680/70685 is a two-component, fast cure, low VOC, fire retardant, aromatic polyurethane coating, designed as a weather protective coating for a wide variety of roof systems including spray-applied polyurethane foam, single ply membranes and built-up roofs and meets South Coast AQMD standards.

PRODUCT NUMBERS AND COLORS

Standard color is: White Toned

CURED RESIN PERFORMANCE

Description	Test Method	Results
Tensile Strength	ASTM D412	1,200 psi
Elongation	ASTM D412	340%
Permanent Set	ASTM D412	<10%
Tear Resistance	ASTM D1004	160 lb/in
Water Resistance	ASTM D471	<2%
MVT @ 30 mils	ASTM E96	1.3 English
Shore A	ASTM D2240	60 - 70
Peel Adhesion on Foam	ASTM D903	>16 lb/in

The above tested results are typical values. Individual lots may vary up to 10% from the typical value.

PRODUCT DATA

Description	Test Method	Results
Weight/Gal (mixed)	ASTM D1475	11.5 lbs/gal
Weight Solids (mixed)	ASTM D4209	96.5%
Volume Solids (mixed)	Calculated	94.6%
VOC (mixed)	EPA Method 24	47.6 g/L
Viscosity (mixed)	ASTM D562	130 KU
Flash Point	ASTM D3278	>200°F
Sag Resistance		25 wet mils
Dry to Touch (75°F, 50% RH)		2-3 hours
Solar Reflectance Index	ASTM E1980-01	96

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MIXING

Mix 1 part 70680 (color side) to 1 part 70685 Co-Reactant (clear) by volume. Proper mixing is critical for cured resin performance. Mix as follows:

1. Open 5 gallon pail of 70680 (color side) and scrape down the sides to get all material loose from side of pail.
2. Mix 70680 (color side) for 3-5 minutes or until material is uniform in consistency.
3. Open 70685 co-reactant (clear side) and pour into mixing container.
4. Pour 70680 (color side) into mixing container with 70685 co-reactant (clear side) and mix for 5 minutes with a variable speed drill utilizing a jiffy mixer.

THINNING AND CLEANUP

Thinning of materials is not required under normal application conditions. However, if required, thin material with xylene or PCBTF (VOC exempt reducer) as local VOC regulations allow. Never thin more than 10% without consulting NEOGARD®.

Clean up coating equipment or spills immediately with xylene or PCBTF (VOC exempt reducer) as local VOC regulations allow, carefully observing cautions on coating and thinner labels.

STORAGE

Containers of polyurethane coating should be stored in a cool (70°F) area to insure long shelf life. To prevent container rupture due to very high temperature, keep away from heat and/or open flames.

HEALTH AND SAFETY

Read the Material Safety Data Sheet (MSDS) and container labels for detailed health and safety information. This product is intended for use by properly trained professional applicators only.

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