

Product Data Sheet

70611 Series (475JB)

Aromatic Roofing Urethane



Description:	70611 series (Hempel 475JB) is a single-component, moisture-cured, aromatic polyurethane.
Recommended use:	As a protective topcoat for polyurethane foam, concrete, metal, and single-ply roof systems, and as a base coat for metal roof systems.
Certificates/approvals:	LEED: MRc5, SSc7.2 (70613 only) Energy Star Certified (70613 only) CRR: 0720-0003 (70613 only) UL: TGFU.R6034 (all versions) Miami-Dade: NOA No.: 16-0222.02 (all versions); NOA No.: 16-0322.27 (70611 only)
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

70611 (475JB16650)	Light Gray	55- and 5-gallon
70612 (475JB23820)	Tan	55- and 5-gallon
70613 (475JB16640)	White	55- and 5-gallon

Some standard colors and/or packaging may have extended lead times and/or minimum quantities. Contact Neogard for additional colors.

Physical constants:

Tensile Strength	1,500 psi	ASTM D412
Elongation	360%	ASTM D412
Permanent Set	<10%	ASTM D412
Tear Resistance	100 lb/in	ASTM D1004
Water Resistance	<3%	ASTM D471
MVT at 30 Mils	2.2 English	ASTM E96
Taber Abrasion	45 mg/1,000 CS-17	ASTM D4060
Shore A	70–75	ASTM D2240
Weight/Gal	10.5 lbs/gal	ASTM D1475
Weight Solids	83%	ASTM D4209
Volume Solids	75%	Calculated
VOC	220 g/L	EPA Method 24
Flash Point	109°F	ASTM D3278
Red Label	No	
Shelf Life	1 year	
Cure Time at 75°F (23°C) and 50% relative humidity		

The above tested results are typical values. Individual lots may vary up to 10% from the typical value. Further technical information can be found at www.neogard.com.

Application details:

Application method:	Roller or spray (contact Neogard for spray equipment information)
Thinner (max.vol.):	7055 Odorless Reducer (086JB) or Hempel's Thinner 08080 (xylene) (10%)
Mixing:	Mix for 3–5 minutes before applying
Pot life:	8 hours at 75°F (23°C)
Cleaning of tools:	7055 Odorless Reducer (086JB) or Hempel's Thinner 08080 (xylene)

Safety:	Handle with care. Use with adequate ventilation. Before and during use, observe all safety labels on packaging and paint containers, consult Neogard Safety Data Sheets and follow all local or national safety regulations.
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Surface preparation:	According to Neogard Guide Specifications.
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Application conditions:	Substrate temperature must be above 40°F (5°C) and/or below 100°F (37°C), and more than 5°F (3°C) above the dewpoint and rising.
Preceding coat:	According to Neogard Guide Specifications.
Subsequent coat:	According to Neogard Guide Specifications.
Accelerators and additives:	7922 (990JB00000): Vertical additive, enhances sag resistance. 7986 (994JB00000): Odor mask, synthetic vanilla scent. 7987 (995JB00000): Odor mask, orange scent.
Storage temperature:	Store in a cool area to ensure full shelf life. Recommended temperature: 75°F (23°C).
Remarks:	May chalk when exposed to UV. Product is sensitive to moisture; not recommended for constant immersion. Concrete must have a full 28 day cure period prior to coating. Not compatible with asphaltic compounds. Not for use with insulating concrete such as Zonolite, Vermiculite, Perlite, etc. Not for use over aluminized coated roofs.

Note: 70611 Series is for professional use only.

Issued by: Hempel (USA) – 475JB

This Product Data Sheet supersedes those previously issued.

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