

Product Data Sheet

7490-CA (47YJB)

Aliphatic Urethane Roof Coating, SCAQMD-Compliant



Description:	7490-CA (Hempel 47YJB) is a single-component, aliphatic polyurethane.
Recommended use:	As a weather-protective topcoat for polyurethane foam, concrete, metal, single-ply and built-up/modified bitumen roof systems.
Features:	Meets South Coast Air Quality Management District (SCAQMD) VOC requirements.
Certificates/approvals:	LEED: MRc5, SSc7.2 CRRC: 0720-0005 Miami-Dade: NOA No.: 16-0222.02, NOA No.: 16-0322.27 UL: TGFU.R6034 USDA BioPreferred: 21% content
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

7490-CA (47YJB10000)	White	
7490-CA (47YJB16660)	Light Gray	5- and 55-gallon
7490-CA (47YJB23820)	Tan	

Physical constants:

Tensile Strength	2,300 psi	ASTM D412
Elongation	230%	ASTM D412
Permanent Set	10%	ASTM D412
Tear Resistance	200 pli	ASTM D1004
Water Resistance	<2% at 7 days	ASTM D471
Taber Abrasion	16 mg, 1,000 CS-17	ASTM D4060
MVT at 20 mils	0.9 perms	ASTM E96
Shore A	85	ASTM D2240
Fire Resistance	Pass (as part of a system)	ASTM E108
Weight/Gallon	10.77 lbs/gal	ASTM D1475
Weight Solids	79.5%	ASTM D5201
Volume Solids	76.7%	ASTM D5201
VOC	<50 g/L	ASTM D5201
Viscosity	100 KU	ASTM D2169
Cure Time, 77°F/25°C, 50% relative humidity	6–12 hours	
Cure to Recoat, 75°F/23°C, 50% relative humidity	18 hours minimum	

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.):	Acetone (10%)
Mixing:	Mix for 3–5 minutes before applying; Jiffy Mixer paddle recommended
Cleaning of tools:	Acetone

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.

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.

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Preceding coat:	According to Neogard Guide Specifications.
Accelerators and additives:	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:	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: 7490-CA is for professional use only.

Issued by: Hempel (USA) – 47YJB

This Product Data Sheet supersedes those previously issued.

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