

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: 0720-0010
Miami-Dade: NOA No.: 16-0222.02, NOA No.: 16-0322.27
UL: TGFU.R6034
Factory Mutual: Class A
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
SRI	111	ASTM E1980
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	ATSM D2169
Shelf life	1 year	
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.

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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.
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 (“PDS”) relates to the supplied product (“Product”) and is subject to update from time-to-time. Accordingly, the buyer/applicator should refer to the PDS current as of the time of delivery. In addition to the PDS, the buyer/applicator may receive some or all of the specifications, statements and/or guidelines listed below or available at www.neogard.com (the “Additional Documents”):

No.	Document Description
1	PDS
2	Guide Specification
3	Application Manual
4	Other Technical Support Information (i.e. summary application tables, troubleshooting guides, maintenance manuals, chemical resistance charts and other technical information)

In the event of a conflict between this PDS and the Additional Documents, the conflict shall be resolved in accordance with the order of priority set forth above. In addition, the buyer/applicator should refer to the relevant Safety Data Sheet current as of the time of delivery and available at www.neogard.com. Buyer/applicator is responsible for determining the suitability of the intended use of the Product, and Neogard disclaims all responsibility for any use, handling and storage of the Product that is not in accordance with the requirements set forth in the relevant PDS and the Additional Documents. The terms and provisions hereof apply to this PDS, the Additional Documents and any other documents supplied by Neogard in respect of the Product. The Product is supplied and all technical assistance is given subject to the General Conditions of Sale of Hempel Products and/or Services available at www.hempel.com. NEOGARD MAKES NO OTHER WARRANTY THAT EXTENDS BEYOND THE WARRANTY REFERENCED THEREIN INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NEOGARD WILL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY OR CONDITION, OR THAT IN ANY WAY ARISE IN RELATION TO THE PRODUCT. 7490-CA-PDS ksk 09302021.docx

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