

# Product Data Sheet

## 7470 (47LJB) Aliphatic Urethane

<b>Description:</b>	7470 series (Hempel 47LJB) is a single-component aliphatic urethane.
<b>Recommended use:</b>	As a weather protective topcoat for pedestrian and vehicular traffic-bearing waterproofing systems. Areas include parking garages, stadiums, balconies, plaza decks, pedestrian walkways, and rooftop recreational areas.
<b>Features:</b>	Meets California Air Resources Board (CARB) VOC requirements.
<b>Certificates/approvals:</b>	LEED: MRc5, SSc7.1 (7470-011) Factory Mutual: Class A (7470-002, -011) Miami-Dade: NOA No.: 15-0421.01 (7470-002, -011)
<b>Availability:</b>	Available in North America. Not included in Group Assortment; other regions must confirm.

### Colors and packaging:

7470-002 (47LJB16650)	Gray	5-gallon pail (all versions)
7470-003 (47LJB23820)	Tan	
7470-011 (47LJB16660)	Light Gray	
7470-016 (47LJB19990)	Black	
7470-041 (47LJB16680)	Charcoal Gray	
7470-058 (47LJB61300)	Dark Maple	
<i>Some standard colors and/or packaging may have extended lead times and/or minimum quantities. Contact Neogard for additional colors.</i>		

### Physical constants:

Tensile strength	2,500 psi	ASTM D412
Elongation	250%	ASTM D412
Permanent set	<20%	ASTM D412
Tear resistance	400 pli	ASTM D1004
Water resistance	1%, 7 days	ASTM D471
MVT at 20 mils	2.5 English Perm	ASTM E96
Taber abrasion	10 mg/1,000 CS-17	ASTM D4060
Shore A	88–92	ASTM D2240
Adhesion	>400 psi	ASTM D4541
SRI value: 7470-011	81	ASTM E1980-01
Weight/gallon	8.95 lbs/gal ± 0.25	ASTM D1475
Weight solids	81.8% ± 3.0%	ASTM D5201
Volume solids	77.7% ± 2.0%	ASTM D5201
VOC	<250 g/L	ASTM D5201
Viscosity	4000 cps	ASTM D2196
Flash point		Refer to SDS
Shelf life	1 year	
Cure to recoat at 75°F/23°C, 50% relative humidity	8–12 hours, 72 hours for vehicular traffic	

*The above tested results are typical values. Individual lots may vary. Further technical information can be found at [www.neogard.com](http://www.neogard.com).*

### Application details:

Application method:	Roller or squeegee
Thinner (max.vol.):	Hempel's 086JB may be added not to exceed 5% by vol. or 6 oz/gal. when product exhibits higher viscosity or heavy settling. Contact Neogard for other thinner options.
Accelerator:	Not recommended.
Mixing:	Mix for 3–5 minutes before applying; Jiffy Mixer paddle recommended
Pot life:	NA for single-component, unaccelerated urethane

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Cleaning of tools:	Acetone or other VOC compliant multi-purpose solvents. Confirm compliance with Local, State and Federal air quality rules before use.
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 between 40°F/4°C and 110°F/43°C.
Preceding coat:	According to Neogard Guide Specifications.
Additives:	7986 (994JB00000): Odor mask, synthetic vanilla scent.
Storage temperature:	Store in a cool area to ensure full shelf life. Recommended temperature: 75°F/23°C.
Remarks:	Not recommended for constant immersion. Do not apply over asphaltic compounds. For on-grade applications, substrates constructed over unvented metal decks or between-slab applications, contact Neogard Technical Service. Thinning does not hinder performance though may prolong curing.

Note: **7470 is for professional use only.**

Issued by: Hempel (USA) – 47LJB

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](http://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](http://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](http://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.

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