

# 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>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	
7470-003 (47LJB23820)	Tan	
7470-011 (47LJB16660)	Light Gray	
7470-016 (47LJB19990)	Black	5-gallon pail (all versions)
7470-041 (47LJB16680)	Charcoal Gray	
7470-058 (47LJB61300)	Dark Maple	

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

## 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	ASTM D1475
Weight solids	81.8% at 12 hours	ASTM D4209
Volume solids	77.7%	Calculated
VOC	195 g/L	EPA Method 24
Viscosity	84 KU	ASTM D2196
Flash point	110°F/43°C	By Comparison
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 up to 10% from the typical value. 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 Thinner 08080 (10%)
Mixing:	Mix for 3–5 minutes before applying; Jiffy Mixer paddle recommended
Pot life:	NA for single-component, unaccelerated urethane
Cleaning of tools:	Hempel's Thinner 08080

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<b>Safety:</b>	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.
<b>Application conditions:</b>	Substrate temperature must be between 40°F/4°C and 110°F/43°C.
<b>Preceding coat:</b>	According to Neogard Guide Specifications.
<b>Accelerators and additives:</b>	7986 (994JB00000): Odor mask, synthetic vanilla scent. 7923 (9505300000): Accelerator for single component urethanes. 7931 (9905500000): Fast accelerator for use in low humidity environments.
<b>Storage temperature:</b>	Store in a cool area to ensure full shelf life. Recommended temperature: 75°F/23°C.
<b>Remarks:</b>	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.

**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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