

# Product Data Sheet

## 7490 (478JB)

### Aliphatic Urethane Roof Coating



**Description:** 7490 (Hempel 478JB) is a single-component, aliphatic polyurethane coating.

**Recommended use:** As a weather-protective topcoat for polyurethane foam, concrete, metal, single-ply and built-up/modified bitumen roof systems.

**Certificates/approvals:** LEED: MRc5, SSc7.2  
CRRC: 0720-0005  
Factory Mutual: Class A  
Miami-Dade: NOA No.: 16-0222.02, NOA No.: 16-0322.27

**Availability:** Available in North America. Not included in Group Assortment; other regions must confirm.

### Colors and packaging:

7490 (478JB10000)      White      5- and 55-gallon

### Physical constants:

Tensile strength	3,042 psi	ASTM D412
Elongation	263%	ASTM D412
Permanent set	80%	ASTM D412
Tear resistance	400 pli	ASTM D1004
Water resistance	2.2% at 7 days	ASTM D471
Taber abrasion	20 mg/1,000 rev cs17	ASTM D4060
Shore A	92	ASTM D2240
SRI	97	ASTM C1549/C1371
Fire resistance	Pass	ASTM E108
Adhesion to 70630	10.7 lbs/in	ASTM D903
Weight/gallon	11.4 lbs/gal	ASTM D1475
Weight solids	82%	ASTM D4209
Volume solids	74%	Calculated
VOC	247 g/L	EPA Method 24
Flash point	85°F/29°C	ASTM D3278
Shelf life	1 year	

*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 spray (contact Neogard for spray equipment information)  
**Thinner (max.vol.):** 7055 Odorless Reducer (086JB1L001) or Hempel's Thinner 08080 (xylene) (10%)  
**Mixing:** Mix for a minimum of 3–5 minutes before applying  
**Pot life:** 6–8 hours hours/minutes at 75°F/23°C  
**Cleaning of tools:** 7055 Odorless Reducer (086JB1L001) 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.

**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:** 7931 (9905500000): Standard cure accelerator.  
7986 (994JB000000): Masks offensive odors; vanilla-scented.  
7987 (995JB000000): Masks offensive odors; orange-scented.

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**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 is for professional use only.**

**Issued by:** Hempel (USA) – 478JB

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.** 7490-PDS ksk 09302021.docx

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