

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
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% @ 7 days | ASTM D471 |
| Taber Abrasion | 20 mg/1,000 rev cs17 | ASTM D4060 |
| Shore A | 92 | ASTM D2240 |
| 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.

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 (994JB00000): Masks offensive odors; vanilla-scented.
7987 (995JB00000): Masks offensive odors; orange-scented.

Storage temperature: Store in a cool area to ensure full shelf life. Recommended temperature: 75°F (23°C).

Product Data Sheet

7490 (478JB)

Aliphatic Urethane Roof Coating



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 supersedes those previously issued.

Manufacturer warrants that the physical properties of the product reported above will meet the standards and deviations of the associated ASTM test method. MANUFACTURER HEREBY EXPRESSLY DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY AND/OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. Buyer must make its own determination of the suitability of any product for its use, whether such product is used alone or in combination with other materials. To the extent this or any of Manufacturer's products is proven to be defective, Buyer's sole remedy shall be limited to the replacement of such defective product, exclusive of any costs of labor. MANUFACTURER SHALL NOT BE LIABLE OR OBLIGATED FOR ANY LOSS OR CONSEQUENTIAL OR OTHER DAMAGE INCURRED DIRECTLY OR INDIRECTLY BY BUYER OR ANY OTHER PERSON OR ENTITY THAT ARISES IN ANY WAY IN RELATION TO THIS OR ANY OF MANUFACTURER'S OTHER PRODUCTS. Nothing contained herein shall be construed to constitute inducement or recommendation to practice any invention covered by any patent without authority of the owner of the patent. No Applicator is or should be viewed as an employee or agent of Manufacturer. 7490-PDS ksk 03252020.docx

Neogard®, a part of Hempel
2728 Empire Central - Dallas, Texas 75235 - Phone (214) 353-1600 - Fax (214) 357-7532 - www.neogard.com