

# Product Data Sheet

70410 (45010)

Aromatic Urethane



**Description:** 70410 (Hempel 45010) is a single-component, moisture-cured aromatic urethane.

**Recommended use:** As a base coat for Neogard Auto-Gard and Peda-Gard traffic coating systems. Suitable areas include parking garages, stadiums, balconies, plaza decks, walkways, and rooftop recreation areas.

**Certificates/approvals:** LEED: MRc5  
UL: TGFU.R6034  
Miami-Dade: NOA No.: 15-0421.01

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

## Colors and packaging:

70410 (4501016650)                      Gray                      55- and 5-gallon

## Physical constants:

Tensile strength	1,200 psi	ASTM D412
Elongation	400%	ASTM D412
Permanent set	<10%	ASTM D412
Tear resistance	100 pli	ASTM D1004
Water resistance	<3%	ASTM D471
MVT at 20 mils	2.6 English Perm	ASTM E96
Taber abrasion	30 mg/1,000 CS-17	ASTM D4060
Shore A	70–75	ASTM D2240
Adhesion	300 psi	ASTM D4541
Weight/gallon	10.7 lbs/gal	ASTM D1475
Weight solids	84%	ASTM D4209
Volume solids	75%	Calculated
VOC	190 g/L	EPA Method 24
Viscosity	87 KU	ASTM D562
Flash point	102°F/38°C	ASTM D3278
Fire resistance (spread of flame)	Class A (as part of a system)	ASTM E108/UL 790
Cure to recoat, 75°F/23°C, 50% relative humidity	14 hours	

*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 (xylene) (10%)  
**Mixing:** Mix for 3–5 minutes before applying; Jiffy Mixer paddle recommended  
**Cleaning of tools:** 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 between 40°F/4°C and 110°F/32°C.

**Preceding coat:** According to Neogard Guide Specifications.

**Subsequent coat:** According to Neogard Guide Specifications.

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**Accelerators and additives:**  
7986 (994JB00000): Odor mask, synthetic vanilla scent.  
7987 (995JB00000): Odor mask, orange scent.  
7922 (990JB00000): Enhances sag resistance.  
7923 (9505300000): Accelerator for single component urethanes.

**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.

**Note:** 70410 is for professional use only.

**Issued by:** Hempel (USA) – 45010

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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