

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 cs17	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

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 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.

Accelerators and additives: 7986 (994JB00000): Odor mask, synthetic vanilla scent.
7987 (995JB00000): Odor mask, orange scent.
7922 (990JB00000): Enhances sag resistance.

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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. Not compatible with 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 supersedes those previously issued.

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