

Product Data Sheet

70713/70715 – 2K Epoxy, Stipple Finish
450JB: Base 450J9 : Curing Agent 95073



Description:	70713/70715 (Hempel 450JB) is a two-component, 100% solids epoxy resin.
Recommended use:	High-gloss, high-build protective coating.
Features:	Stipple finish. Excellent chemical and water resistance. Meets U.S.D.A. requirements for incidental food contact. Meets South Coast Air Quality Management District (SCAQMD) VOC requirements.
Certificates/approvals:	LEED: MRc5, IEQc4.2 MPI: MPI #212
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

70713 (450J900000)	Clear	15- and 3-gallon kits
70713-01 (450J916640)	Gray	15- and 3-gallon kits
70713-11 (450J916660)	Light Gray	15- and 3-gallon kits
70715 (9507300000)	NA	Curing agent, included in kits

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

Physical constants:

Tensile strength	3,700 psi	ASTM D638
Elongation	25%	ASTM D638
Compressive strength	25,300 psi	ASTM D695
Flexural strength	3,180 psi	ASTM D790
Flexural modulus	57,700 psi	ASTM D790
Water resistance	0.21%	ASTM D570
MVT @ 10 Mils	0.16	ASTM E96
Taber abrasion	25 mg/1,000 CS-17	ASTM D4060
Shore D	78	ASTM D2240
Adhesion	350 psi	ASTM D4541
Flammability	Pass	ASTM D635
Weight/gallon (mixed)	8.8 lbs/gal	ASTM D1475
Weight solids (mixed)	100%	ASTM D4209
Volume solids (mixed)	100%	Calculated
VOC (mixed)	<10 g/L	EPA Method 24
Flash point	>200°F (93°C)	ASTM D3278
Shelf life	1 year	
Thin film cure at 75°F/23°C	8–9 hours	
Full cure at 75°F/23°C	7 days	
Full chemical resistance	7 days	

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.

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Application details:

Version, mixed product	450JB
Mixing ratio:	Base 450J9 : Curing Agent 95073 2 : 1 by volume
Mixing instructions:	Pre-mix base for 3–5 minutes before adding curing agent. Mix for a minimum of 5 minutes before applying. Jiffy Mixer paddle recommended.
Application method:	Roller or squeegee
Thinner (max.vol.):	7055 Odorless Reducer (086JB) or HEMPEL'S THINNER 08080 (xylene) (10%)
Pot life:	30 minutes at 70°F (21°C)
Cleaning of tools:	7055 Odorless Reducer (086JB) 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.
Surface preparation:	According to Neogard Guide Specifications.
Application conditions:	Ambient temperature must be between 40°F (4°C) and 100°F (37°C), and a minimum of 5°F (3°C) above dew point.
Preceding coat:	According to Neogard Guide Specifications.
Subsequent coat:	According to Neogard Guide Specifications.
Storage temperature:	Store in a cool area to ensure full shelf life. Recommended temperature: 70°F (21°C).

Note: **70713/70715 is for professional use only.**

Issued by: Hempel (USA) – 450JB

This Product Data Sheet supersedes those previously issued.

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