Product Data Sheet

70734/70735 — Low-Yellowing Epoxy
45040: Base 45049 : Curing Agent 95049

Description: 70734/70735 (Hempel 45040) is a two-component, 100% solids hybrid epoxy resin.

Recommended use: Used primarily as a finish coat for NeoQuartz decorative flooring systems or as the primary wearing surface when applied to primed concrete. May also be used on the following prepared substrates: epoxy primed concrete; troweled resinous flooring; decorative floor systems; self-leveling systems.

Features: Minimal yellowing. Reduced UV degradation. Resists impact and abrasion. Very low odor. Can be used as a low-VOC alternative to chemical resistant urethanes.
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

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

Colors and packaging:

70734 (4504900000)	Clear	15- and 3-gallon kits
70735 (9504900000)	NA	

Physical constants:

Compressive strength	11,000 psi	ASTM D695
Tensile strength	8,000 psi	ASTM D638
Elongation at break	14%	ASTM D638
Flexural strength	10,000 psi	ASTM D790
Flexural modulus	400,000 psi	ASTM D790
Modulus of elasticity	170,000 psi	ASTM D790
Shore D	82	ASTM D2240
Adhesion	400 psi	ASTM D4541
Water resistance	<2%	ASTM D570
MVT at 20 mils	0.10 Perm	ASTM E96
Flammability	Pass	ASTM D635
Taber abrasion	89 mg/1,000 cycles CS-17	ASTM D4060
Weight/gallon (mixed)	9.1 lbs/gal	ASTM D1475
Weight solids (mixed)	100%	ASTM D4209
Volume solids (mixed)	100%	Calculated
Viscosity (mixed)	500 cps	ASTM D2196
Flash point	>205°F/96°C	ASTM D3278
VOC (mixed)	<10 g/L	EPA Method 24
Shelf life	1 year	
Thin film cure	12–16 hours	
Light traffic use	24 hours	
Full cure at 75°F/23°C	7 days	

The above tested results are typical values. Individual lots may vary up to 10% from the typical value. Further

Application details:

Version, mixed product
Mixing ratio:

Mixing instructions:

Application method:
Thinner (max.vol.):
Pot life:
Cleaning of tools:

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 50°F/10°C and 85°F/29°C, and a minimum of 5°F/3°C above dew point.
Preceding coat:	According to Neogard Guide Specifications.
Subsequent coat:	Must be recoated within 24 hours at 70°F/21°C for subsequent coat to properly bond. If the 24-hour recoat window is missed, sand to dull finish before applying subsequent coat(s).
Storage temperature:	Store in a cool area to ensure full shelf life. Recommended temperature: 70°F/21°C.
Remarks:	For interior use only.

Note:	**70734/70735 is for professional use only.**
Issued by:	Hempel (USA) – 45040