

Product Data Sheet

70714/70715-01 — 2K Fast-Cure Epoxy
45061: Base 45069 : Curing Agent 95074



Description: 70714/70715-01 (Hempel 45061) is a two-component, 100% solids epoxy resin.

Recommended use: Applications include: High-gloss, high-build protective coating; binder for self-smoothing pigmented and color quartz flooring; low-viscosity binder for trowel-applied mortar flooring systems; high-quality primer for chemical resistant urethane top coats, and/or Neogard waterproofing and flooring systems; low-viscosity binder for trowel applied mortar and/or patching material; low viscosity binder for crack injection.

Features: Formulated for use on damp or dry concrete. Near water-clear. Exhibits no amine blush when used in humid environments. Very low viscosity for deep penetration into concrete. Uniform wetting of filler aggregates. Excellent chemical and water resistance. 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:

70714 (4506900000)	Clear	15- and 3-gallon kits
70714-01 (4506916640)	White	15- and 3-gallon kits
70714-02 (4506916650)	Gray	15- and 3-gallon kits
70714-03 (4506923820)	Tan	15- and 3-gallon kits
70714-04 (4506916670)	Dark Gray	15- and 3-gallon kits
70714-05 (4506957930)	Tile Red	15- and 3-gallon kits
70714-11 (4506916660)	Light Gray	15- and 3-gallon kits
70714-16 (4506919990)	Black	15- and 3-gallon kits
70714-06 (4506949890)	Green	3-gallon kits
70715-01 (9507400000)	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	3,069 psi	ASTM D790
Flexural Modulus	54,000 psi	ASTM D790
Water Resistance	0.21%	ASTM D570
MVT @ 10 MILS	0.16	ASTM E96
Flammability	Passes	ASTM D635
Taber Abrasion	78 mg/1,000 CS-17	ASTM D4060
Shore D	77	ASTM D2240
Adhesion	350 psi	ASTM D4541
Flammability	Pass	ASTM D635
Weight/Gal (mixed)	8.79 lbs/gal	ASTM D1475
Weight Solids (mixed)	100%	ASTM D4209
Volume Solids (mixed)	100%	Calculated
Viscosity (mixed)	400 cps	ASTM D2196
VOC (mixed)	<5 g/L	EPA Method 24
Flash Point	>200oF	ASTM D3278
Shelf Life	1 year	
Thin Film Cure @ 75°F (23°C)	2–3 hours	
Full Cure @ 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	45061
Mixing ratio:	Base 45069 : Curing Agent 95074 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:	15 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 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:	According to Neogard Guide Specifications.
Storage temperature:	Store in a cool area to ensure full shelf life. Recommended temperature: 70°F (21°C).

Note: **70714/70715-01 is for professional use only.**

Issued by: Hempel (USA) – 45061

This Product Data Sheet supersedes those previously issued.

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