

# Product Data Sheet

70714/70715-09 — 2K General Purpose Epoxy  
45062: Base 45069 : Curing Agent 95075



|                                |  |
|--------------------------------|--|
| <b>Description:</b>            | 70714/70715-09 (Hempel 45069/95075) is a two-component, general purpose, 100% solids epoxy resin.  |
| <b>Recommended use:</b>        | Applications over concrete include: High strength overlayment; high-strength dustproofer; 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. |
| <b>Features:</b>               | Meets South Coast Air Quality Management District (SCAQMD) VOC requirements.   |
| <b>Certificates/approvals:</b> | LEED: MRc5, IEQc4.2  |
| <b>Availability:</b>           | 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                  |
| 70715-09 (9507500000) | 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             | 2,000 psi         | ASTM D638     |
| Elongation                   | 40%               | ASTM D638     |
| Compressive Strength         | 15,000 psi        | ASTM D695     |
| Flexural Strength            | 1,900 psi         | ASTM D790     |
| Flexural Modulus             | 62,000 psi        | ASTM D790     |
| Water Resistance             | 0.17%             | ASTM D570     |
| MVT @ 10 Mils                | 0.18 Perm         | ASTM E96      |
| Shore D                      | 77                | ASTM D2240    |
| Adhesion                     | 400 psi           | ASTM D4541    |
| Impact Flexibility           | Pass @ 120 in/lb  | ASTM D6905-03 |
| Flammability                 | Pass              | ASTM D635     |
| Taber Abrasion               | 61 mg/1,000 CS-17 | ASTM D4060    |
| Weight/Gal (mixed)           | 8.81 lbs/gal      | ASTM D1475    |
| Weight Solids (mixed)        | 100%              | ASTM D4209    |
| Volume Solids (mixed)        | 100%              | Calculated    |
| Viscosity (mixed)            | 1,250 cps         | ASTM D2196    |
| VOC (mixed)                  | < 5 g/L           | EPA Method 24 |
| Flash Point                  | >200°F            | ASTM D3278    |
| Shelf Life                   | 1 year            |               |
| Thin Film Cure @ 75°F (23°C) | 8–9 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](http://www.neogard.com).*

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## Application details:

|                                |   |
|--------------------------------|---|
| <b>Version, mixed product</b>  | <b>45062</b>  |
| Mixing ratio:                  | Base 45069 : Curing Agent 95079<br>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:                      | 25 minutes at 70°F (21°C)   |
| Cleaning of tools:             | 7055 Odorless Reducer (086JB) or HEMPEL'S THINNER 08080 (xylene)  |
| <b>Safety:</b>                 | 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. |
| <b>Surface preparation:</b>    | According to NEOGARD® Guide Specifications.   |
| <b>Application conditions:</b> | 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.  |
| <b>Preceding coat:</b>         | According to NEOGARD® Guide Specifications.   |
| <b>Subsequent coat:</b>        | According to NEOGARD® Guide Specifications.   |
| <b>Storage temperature:</b>    | Store in a cool area to ensure full shelf life. Recommended temperature: 70°F (21°C).   |

Note: **70714/70715-09 (45062) is for professional use only.**

Issued by: Hempel A/S – 45062

This Product Data Sheet supersedes those previously issued.

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NEOGARD®, a Division of Hempel (USA), Inc.  
2728 Empire Central - Dallas, Texas 75235 - Phone (214) 353-1600 - Fax (214) 357-7532 - www.neogard.com