



### PRODUCT DESCRIPTION

70815/70816 (Hempel 57025/95052) is a two-component, low VOC, ultra-high solids chemical resistant, polyester aliphatic polyurethane.

### SYSTEM DESIGN

70815/70816 is designed for use as a topcoat for NEOGARD® flooring and decorative waterproofing systems.

### USES

- As a clear or pigmented topcoat for NEOGARD® flooring and decorative waterproofing systems.

### ADVANTAGES

- Superior resistance to chemical attack
- Excellent UV resistance
- Superb impact and abrasion resistance
- Excellent anti-microbial resistance
- USDA acceptable for incidental food contact
- Meets VOC content requirements for Floor Coatings established by South Coast AQMD

### LIMITATIONS

- Use with adequate ventilation.
- Do not apply to damp, unclean or frosty surfaces.
- Do not apply directly to concrete.
- Ambient Temperature: Application temperature 40°F–80°F (4°C–26°C).
- Precondition material for 24 hours at 65°–75°F (18°C–23°C).
- Maximum Relative Humidity: 85%.
- Minimum Relative Humidity: 30%.
- Surface Condition: 40°F–85°F (4°C–29°C). Surface temperature must be 5°F (3°C) above the dew point.
- High temperatures and humidity can significantly affect pot life and cure time. Low temperatures and humidity can extend the cure time.
- Open to foot traffic in 11 hours at 75°F (23°C), 50% relative humidity.
- Do not apply when substrate temperature is greater than 110°F (43°C) or below 40°F (4°C).

### PRODUCT COLORS AND PACKAGING

Product Numbers: NEOGARD® (Hempel)	Color	Packaging
70815 (5702500050)	Clear	2-gallon kit
70815-01 (5702500010)	White (Tintable)	
70816 (9505200000)	N/A	

### APPLICATION INSTRUCTIONS

NEOGARD® products are to be installed in accordance with instructions in the NEOGARD® Flooring Systems Application Manual.

- Thoroughly mix 1:1 by volume. Apply at a rate of 140 to 200 sf/gal to achieve a dry film thickness of 8 to 12 wet mils. Note: Product may turn milky if applied in excess of 12 mils/per coat or in areas of high humidity (>85% RH). Application of less than 8 mils wet film thickness on a smooth system may produce an orange peel texture.
- When applying additional coats, do not exceed 24 hour recoat window. If recoat window is exceeded, lightly abrade surface with 80–100 grit sand paper and thoroughly clean surface before applying next coat.

### MIXING AND THINNING

Read product labels and application instructions prior to use. Product must be mixed. This product has been formulated to be applied without the need of thinning. However, application under certain conditions and with certain equipment may be enhanced by thinning. Please note that thinning will increase VOC content of the mixed coating. Always know local VOC restrictions for coating applications in your area before thinning this product. Do not thin material more than 10%. See compatible thinners and additional mixing instructions in the NEOGARD® Flooring Systems Application Manual or contact NEOGARD® Technical Service at [techservice@neogard.com](mailto:techservice@neogard.com).

- Pre-mix 70815 Part A for 3 minutes. Add entire contents of 70816 hardener to 70815 container and mix for 3 minutes using slow speed drill utilizing a Jiffy Mixer paddle. Take precautions not to introduce air into the material while mixing.

### CURED PROPERTIES

Description	Test Method	Results
Tensile Strength	ASTM D2370	3446 psi
Elongation	ASTM D2370	27%

Description	Test Method	Results
Shore D	ASTM D2240	58
Flammability	ASTM D635	Pass
Flexural Strength	ASTM D790	239 psi
Flexural Modulus	ASTM D790	6,360 psi
Anti-Microbial	JIS Z 2801-2010	Pass
Water Resistance (24 hrs)	ASTM D570	0.44%
Taber Abrasion, 1,000 cycles, CS-17	ASTM D4060	19 mg

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 <http://www.neogard.com>.

## PRODUCT DATA

Description	Test Method	Results
Weight/Gallon (mixed)	ASTM D1475	8.90 lbs/gal
Weight Solids (mixed)	ASTM D5201	95%
Volume Solids (mixed)	ASTM D5201	95%
VOC (mixed)	ASTM D5201	48.6 g/L
Flash Point	ASTM D3278	70815: 204°F (95°C) 70816: 260°F (126°C)
Pot Life at 75°F (23°C), 50% RH		30 minutes
Touch-Up Time at 75°F (23°C), 50% RH		15 minutes
Recoat at 75°F (23°C), 50% RH		8–9 hours
Storage		Protected
Shelf Life		1 year

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## ADDITIVES

Product No.	Description	Use
7986 (994JB00000)	Odor Mask	Synthetic vanilla used to mask less pleasant odors

## STORAGE AND HANDLING

Containers of urethane coating should be stored in a cool (75°F, 23°C) area to ensure full shelf life. Keep container closed. Keep away from sources of ignition. To prevent container rupture due to very high temperature, keep away from heat and/or open flames.

## CLEAN UP

Clean tools and equipment with aromatic solvents such as Xylene, Toluene, MEK or NEOGARD® 7055 Odorless Reducer.

## HEALTH AND SAFETY

Read the Safety Data Sheet (SDS) and container labels for detailed health and safety information. This product is intended for industrial use by properly trained professional applicators only.

## CREDENTIALS



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