

Product Data Sheet

70800/70801/70804 — Neocrete SL

48012: Base 48019 : Curing Agent 98010 : Aggregate 66022



Description:	Neocrete SL (70800/70801/70804, Hempel 48021) is a self-leveling, water-dispersed polyurethane resin combined with a powder aggregate.
Recommended use:	As a surfacing/resurfacing system applied to the following substrates: concrete, polymer reinforced screeds, and properly supported wood floors.
Features:	High abrasion, impact, and chemical resistance. Resistant to thermal shock stresses such as hot water and daily steam cleaning. Resistant to acids, caustics, fuels, oils, and solvents. Steel troweled in one step; requires no primers or sealers. Meets U.S.D.A. requirements for incidental food contact. Meets South Coast Air Quality Management District (SCAQMD) VOC requirements.
Service temperatures:	-120°F (-84°C) – 210°F (99°C)
Certificates/approvals:	LEED: MRc5, IEQc4.2
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

70800-02 (4801916650)	Gray	2-gallon can, 200 fluid oz. fill
70800-05 (4801957930)	Red	2-gallon can, 200 fluid oz. fill
70800-031 (4801923820)	Tan	2-gallon can, 200 fluid oz. fill
70801 (9801000000)	NA	1-gallon can, 126 fluid oz. fill
70804 (6602209990)	NA	53-lb or 11-lb bag (see Application details below)

Some standard colors may have extended lead times and/or minimum quantities.

Physical constants:

Compressive Strength	7,700 psi	ASTM C579
Tensile Strength	712 psi	ASTM C307
Flexural Strength	2,200 psi	ASTM C580
Modulus of Elasticity	446,700 psi	ASTM C580
Shore D	84	ASTM D2240
Adhesion (concrete)	400 psi	ASTM D4541
Water Resistance	0.42%	ASTM C413
Density	121 lbs/ft ³	ASTM C905-01
Coefficient of Thermal Expansion	2.4 x 10 ⁻⁵ in/in/°F	ASTM C531
Resistance to Fungal Growth	No Support of Growth	ASTM G21
Flammability	Pass	ASTM D635
Weight Solids (mixed)	99.95%	ASTM D5201
Volume Solids (mixed)	99.93%	ASTM D5201
Flash Point	None	ASTM D3278
VOC (mixed)	8.4 g/L	ASTM D5201
Shelf Life	1 year	
Typical Thickness	3/16"	
Mixed Unit Coverage at 3/16"	38–40 square feet	
Initial Join Up Time at 70°F (21°C) per 3/16"	20 minutes	
Cure to Foot Traffic at 70°F (21°C) per 3/16"	4–8 hours	
Cure to Full Use at 70°F (21°C) per 3/16"	10–16 hours	

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

Mixing ratio:

Neocrete SL 48012

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Mix 200 fluid ounces of 70800 (contents of one 2-gallon can) with 126 fluid ounces of 70801 (contents of one 1-gallon can) and one 53-pound bag of 70804 powder. Mix with a variable speed drill utilizing a Jiffy Mixer to suspend any settled pigment and attain a uniform color. Time will vary depending on temperature conditions.

IMPORTANT: Pre-mix 70800 for a minimum of one minute before mixing with 70801 hardener. To avoid color variation from mix to mix, scrape all of the pre-mixed 70800 from the 70800 can into the mixing container.

Application method:

Steel trowel, screed box, gauge rake

Thinner (max.vol.):

Contact Neogard for thinning instructions

Pot life:

15 minutes at 70°F (21°C)

Cleaning of tools:

7055 Odorless Reducer (086JB) or Hempel's Thinner 08080 (xylene)

Grout Coat/Topcoat application:

Mix one 11-pound bag of 70804 powder with 200 fluid ounces of 70800 (contents of one 2-gallon can) and 126 fluid ounces of 70801 (contents of one 1-gallon can). Apply with flat squeegee at a rate of 160 square feet per gallon (10 WFT). One mixed unit covers approximately 560 square feet.

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).

Remarks:

For maximum adhesion, correct surface preparation is essential. Regular cleaning of applied surface is recommended in order to maintain slip resistance and aesthetics.

Note:

Neocrete SL is for professional use only.

Issued by:

Hempel (USA) – 48012

This Product Data Sheet supersedes those previously issued.

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