

Product Data Sheet

70817/70818 — High-Solids Chemical Resistant Urethane
57070: Base 57079 : Curing Agent 95059



Description: 70817/70818 (Hempel 57070) is a two-component, ultra-high solids, chemical-resistant aliphatic polyurethane.

Recommended use: As a topcoat for Neogard decorative flooring and waterproofing systems.

Features: Meets South Coast Air Quality Management District (SCAQMD) VOC requirements.

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

Colors and packaging:

70817 (5707900050)	Clear (Tintable)	
70817-01 (5707916640)	White	2-gallon kit (mixed)
70818 (9505900000)	N/A	

Contact Neogard for available colors.

Physical constants:

	70817/70818	70817-01/70818	
Tensile strength	7,500 psi	5,800 psi	ASTM D2370
Elongation	12%	40%	ASTM D2370
Shore D	70	65	ASTM D2240
Water resistance	<1%, 7 days	<1%, 7 days	ASTM D471
Taber abrasion	23 mg/1,000 cycles CS-17	17 mg/1,000 cycles CS-17	ASTM D4060
Anti-microbial	Pass	Pass	JIS Z 2801-2010

	Both versions	
Weight/gallon (mixed)	9.73 lbs/gal	ASTM D1475
Weight solids (mixed)	92%	ASTM D5201
Volume solids (mixed)	90%	ASTM D5201
VOC (mixed)	< 100 g/L	ASTM D5201
Flash point	70817: 167°F/75°C 70718: 316°F/157°C	ASTM D3278
Working time at 75°F/23°C, 50% relative humidity	20–25 minutes	
Cure time at 77°F/24°C, 50% relative humidity	10–12 hours	
Recoat at 75°F/23°C, 50% relative humidity	Within 24 hours	
Shelf life	1 year	

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.

Application details:

Version, mixed product **57070**

Mixing ratio: Base 59079 : Curing Agent 95059
1 : 1 by volume

Mixing instructions: Pre-mix base for 3 minutes. Add base to curing agent and mix for 3 more minutes. Jiffy Mixer recommended.

Application method: Roller or squeegee

Application Rate: 140–200 ft²/gallon

Indicated film thickness, dry: 12–8 mils

Thinner (max.vol.): 7055 Odorless Reducer (086JB) or Hempel's Thinner 08080 (xylene) (10%)

Pot life: 60–80 minutes at 75°F/23°C

Cleaning of tools: 7055 Odorless Reducer (086JB) or Hempel's Thinner 08080 (xylene)

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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:	Precondition material for 24 hours at 65°–75°F/18°C–23°C. Ambient temperature must 40°F–80°F/4°C–26°C. Substrate temperature must be 40°F–110°F/4°C–40°C and 5°F/3°C above the dew point. Relative humidity must be 30%–85%; may turn milky if applied in excess of 12 mils per coat or in areas of high humidity (>85%). Surface must be dry, clean, and without frost.
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).
Accelerators and additives:	7986 (994JB00000): Odor mask, synthetic vanilla.
Storage temperature:	Store in a cool area to ensure full shelf life. Recommended temperature: 75°F/23°C.
Remarks:	Open to foot traffic in 16 hours at 75°F/23°C, 50% relative humidity. Apply additional coats within 24 hours of initial application. If applying additional coats beyond 24 hours, lightly abrade surface with 80–100 grit sand paper and thoroughly clean surface before applying next coat. Do not apply directly to concrete.

Note: **70817/70818 is for professional use only.**

Issued by: Hempel (USA) – 57070

This Product Data Sheet (“PDS”) relates to the supplied product (“Product”) and is subject to update from time-to-time. Accordingly, the buyer/applicator should refer to the PDS current as of the time of delivery. In addition to the PDS, the buyer/applicator may receive some or all of the specifications, statements and/or guidelines listed below or available at www.neogard.com (the “Additional Documents”):

No.	Document Description
1	PDS
2	Guide Specification
3	Application Manual
4	Other Technical Support Information (i.e. summary application tables, troubleshooting guides, maintenance manuals, chemical resistance charts and other technical information)

In the event of a conflict between this PDS and the Additional Documents, the conflict shall be resolved in accordance with the order of priority set forth above. In addition, the buyer/applicator should refer to the relevant Safety Data Sheet current as of the time of delivery and available at www.neogard.com. Buyer/applicator is responsible for determining the suitability of the intended use of the Product, and Neogard disclaims all responsibility for any use, handling and storage of the Product that is not in accordance with the requirements set forth in the relevant PDS and the Additional Documents. The terms and provisions hereof apply to this PDS, the Additional Documents and any other documents supplied by Neogard in respect of the Product. The Product is supplied and all technical assistance is given subject to the General Conditions of Sale of Hempel Products and/or Services available at www.hempel.com. NEOGARD MAKES NO OTHER WARRANTY THAT EXTENDS BEYOND THE WARRANTY REFERENCED THEREIN INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NEOGARD WILL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY OR CONDITION, OR THAT IN ANY WAY ARISE IN RELATION TO THE PRODUCT. 70817-70818-PDS ksk 10272021.docx

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