

# 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 @ 75°F (23°C), 50% relative humidity	20–25 minutes	
Cure Time @ 77°F (24°C), 50% relative humidity	10–12 hours	
Recoat @ 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](http://www.neogard.com).

## Application details:

**Version, mixed product**  
57070  
Base 59079 : Curing Agent 95059

Mixing ratio:  
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 ft<sup>2</sup>/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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<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>	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.
<b>Preceding coat:</b>	According to Neogard Guide Specifications.
<b>Accelerators and additives:</b>	7986 (994JB00000): Odor mask, synthetic vanilla.
<b>Storage temperature:</b>	Store in a cool area to ensure full shelf life. Recommended temperature: 75°F (23°C).
<b>Remarks:</b>	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 supersedes those previously issued.

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