

Product Data Sheet

70805/7952 — Aliphatic Urethane
57020: Base 57029 : Curing Agent 95051



Description: 70805/7952 (Hempel 57020) is a high-solids, chemical-resistant, two-component aliphatic polyurethane.

Recommended use: As a topcoat over flooring and wall coating systems, and as the primary wear surface when applied to properly primed concrete.

Features: May be used for interior and exterior applications.

Certificates/approvals: LEED: MRc5 (70805 only)
MPI: MPI #212 (70805 only)

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

Colors and packaging:

70805 (5702900050)	Clear (Tintable)	
70805-01 (5702910000)	White (Tintable)	3-gallon kits
7952 (9505100000)	NA	

Some standard colors and/or packaging may have extended lead times and/or minimum quantities. Contact Neogard for additional colors.

Physical constants:

Tensile strength	4,000 psi	ASTM D412
Elongation	10%	ASTM D412
Permanent set	<10%	ASTM D412
Water resistance	<1%	ASTM D471
MVT at 5 mils	1.4	ASTM E96
Adhesion	300 psi	ASTM D4541
Flammability	Pass	ASTM D635
Taber abrasion	40 mg/1,000 cycles CS-17	ASTM D4060

Weight/gallon (mixed)	8.63 lbs/gal	ASTM D1475
Weight solids (mixed)	62%	ASTM D4209
Volume solids (mixed)	58%	Calculated
VOC (mixed)	335 g/L	EPA Method 24
Viscosity (mixed)	400 cps	ASTM D2196
Flash point	102°F/39°C	ASTM D3278
Shelf life	2 years (70805), 3 years (7952)	

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 **57020**

Mixing ratio: Base 57029 : Curing Agent 7952
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: 2 hours at 75°F/23°C

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

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.

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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:	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).
Storage temperature:	Store in a cool area to ensure full shelf life. Recommended temperature: 70°F/21°C.

Note: 70805/7952 is for professional use only.

Issued by: Hempel (USA) – 57020

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. 70805-7952-PDS ksk 10272021.docx

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