

Product Data Sheet

7870 (873JB)

High-Solids Roofing Silicone



Description:	7870 (Hempel 873JB) is a single-component, moisture-cured, weather-protective, silicone roof coating.
Recommended use:	7870 can be used on the following roof types: Smooth-surface BUR and granulated cap sheet; structural concrete and canopies; metal; polyurethane foam; single ply.
Features:	Meets South Coast Air Quality Management District (SCAQMD) VOC requirements.
Certificates/approvals:	Energy Star Factory Mutual: Class A CRRC: 0720-0011 UL: TGFU.R6034 Miami-Dade: NOA #18-0619.04
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

7870 (873JB10000)	White	5- and 55-gallon
7871 (873JB1L083)	Silicone Gray	5- and 55-gallon

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

Physical constants:

Tensile strength	247 psi	ASTM D412
Elongation	237%	ASTM D2370
Reflectivity	89 (7870 only)	ASTM C1549
Emissivity	90 (7870 only)	ASTM C1371
SRI	113 (7870 only)	
Shore A	37	ASTM D2240
Flammability	Class A	ASTM E108
Weathering, QUV	No degradation at 5,000 hours	ASTM G154
Permeance at 20 mils, 100°F (38°C), 90% relative humidity	10.7 perms	ASTM E96
Tack-free time	1–2 hours	
Cure time	1–4 hours	
VOC	<50 g/L	
Flash point	141°F/60°C	
Shelf life	2 years	

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:

Application method:	Roller or spray (contact Neogard for spray equipment information)
Thinner (max.vol.):	Mineral spirits (10%)
Mixing:	Mix for 3–5 minutes before applying
Coat thickness:	Maximum recommended per coat: 40 mils
Cleaning of tools:	Mineral spirits

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.

Product Data Sheet

7870 (873JB)

High-Solids Roofing Silicone



Application conditions:	Substrate temperature must be above 40°F/5°C and/or below 100°F/37°C, and more than 5°F/3°C above the dewpoint and rising.
Preceding coat:	According to Neogard Guide Specifications.
Subsequent coat:	According to Neogard Guide Specifications.
Accelerators and additives:	7986 (994JB00000): Odor mask, synthetic vanilla scent. 7987 (995JB00000): Odor mask, orange scent.
Storage temperature:	Store in a cool area to ensure full shelf life. Recommended temperature: 70°F/21°C.

Note: 7870 is for professional use only.

Issued by: Hempel (USA) – 873JB

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. 7870-PDS ksk 09302021.docx

Neogard®, a part of Hempel
2728 Empire Central - Dallas, Texas 75235 - Phone (214) 353-1600 - Fax (214) 357-7532 - www.neogard.com