

# Product Data Sheet

## 7870 (873JB) High-Solids Silicone



<b>Description:</b>	7870 (Hempel 873JB) is a single-component, moisture-cured, weather-protective, silicone roof coating.
<b>Recommended use:</b>	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.
<b>Features:</b>	Meets South Coast Air Quality Management District (SCAQMD) VOC requirements.
<b>Certificates/approvals:</b>	Energy Star FM Approved, Class A CRRC: 0720-0011 UL: TGFU.R6034 Miami-Dade: NOA #18-0619.04
<b>Availability:</b>	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 @ 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](http://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 Silicone



---

<b>Application conditions:</b>	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.
<b>Preceding coat:</b>	According to NEOGARD® Guide Specifications.
<b>Subsequent coat:</b>	According to NEOGARD® Guide Specifications.
<b>Accelerators and additives:</b>	7986 (994JB00000): Odor mask, synthetic vanilla scent. 7987 (995JB00000): Odor mask, orange scent.
<b>Storage temperature:</b>	Store in a cool area to ensure full shelf life. Recommended temperature: 70°F/21°C.

Note: **7870 (873JB) is for professional use only.**

Issued by: Hempel (USA) – 873JB

This Product Data Sheet supersedes those previously issued.

Manufacturer warrants that the physical properties of the product reported above will meet the standards and deviations of the associated ASTM test method. MANUFACTURER HEREBY EXPRESSLY DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY AND/OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. Buyer must make its own determination of the suitability of any product for its use, whether such product is used alone or in combination with other materials. To the extent this or any of Manufacturer's products is proven to be defective, Buyer's sole remedy shall be limited to the replacement of such defective product, exclusive of any costs of labor. MANUFACTURER SHALL NOT BE LIABLE OR OBLIGATED FOR ANY LOSS OR CONSEQUENTIAL OR OTHER DAMAGE INCURRED DIRECTLY OR INDIRECTLY BY BUYER OR ANY OTHER PERSON OR ENTITY THAT ARISES IN ANY WAY IN RELATION TO THIS OR ANY OF MANUFACTURER'S OTHER PRODUCTS. Nothing contained herein shall be construed to constitute inducement or recommendation to practice any invention covered by any patent without authority of the owner of the patent. No Applicator is or should be viewed as an employee or agent of Manufacturer. 7870-PDS ksk 06122019.docx

NEOGARD®, a Division of Hempel (USA), Inc.  
2728 Empire Central - Dallas, Texas 75235 - Phone (214) 353-1600 - Fax (214) 357-7532 - [www.neogard.com](http://www.neogard.com)