

Product Data Sheet

7870 (873JB) High-Solids 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
FM Approved, 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 @ 5,000 hours	ASTM G154
Permeance at 20 mils, 100°F (38°C), 10.7 perms		ASTM E96
90% relative humidity		
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.

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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 (873JB) is for professional use only.**

Issued by: Hempel (USA) – 873JB

This Product Data Sheet supersedes those previously issued.

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