Product Data Sheet

70700/70701 — Moisture Mitigating Primer
255JB : Base 255J9 : Curing Agent 95MJB

Description: 70700/70701 (Hempel 255JB) is a two-component, 100% solids, low viscosity epoxy primer.

Recommended use: As a primer for moisture mitigation and as a maintenance coating over concrete surfaces.

Features:
Gloss finish.
Low VOC and odor.
Penetrates deep into concrete.
Can be applied to green concrete, minimum 7 days old.
Provides protection from sustained exposure to pH 14 concrete substrate.
Can be applied to concrete with MVT readings up to 25 pounds per ASTM F1869.
Can be applied to concrete with relative humidity up to 95% per ASTM F2170.
Meets South Coast Air Quality Management District (SCAQMD) VOC requirements.

Availability: Available in North America. Not included in Group Assortment. Availability subject to confirmation.

Colors and packaging:

70700 (255J900000)	Clear	3- and 15-gallon kits	Note: Product has a slight amber color.
70701 (95MJB00000)	Clear		

Physical constants:

Tensile strength	7,500 psi	ASTM D2370
Elongation	6.5%	ASTM D2370
Adhesion	>1,100 psi	ASTM D4541
Shore D	83	ASTM D2240
Permeability at 20 mils	0.457 perms/day	ASTM E96
Water absorption	1.35%, 7 weeks at 77°F/25°C	ASTM D570
Weight/gallon (mixed)	8.94 lbs	Calculated
Weight solids (mixed)	100%	Calculated
Volume solids (mixed)	100%	Calculated
Flash point	201°F/93°C	Calculated
VOC (mixed)	<6 g/L, 0.05 lbs/gal	Calculated

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.

***Note:** The testing listed above cannot guarantee avoidance of future moisture related problems particularly with existing concrete slabs. This is especially true if the use of an under-slab moisture vapor barrier cannot be confirmed or concrete contamination from oils, chemical spills, unreacted silicates, chlorides or Alkali Silica Reaction (ASR) is suspected.*

Application details:

Version, mixed product	**255JB**
Mixing ratio:	Base 255J9 : Curing Agent 95MJB 2 : 1 by volume; mix 255JB for three minutes, mix combined 255J9/95MJB for an additional 3 minutes before applying
Application method	Roller or squeegee
Thinner (max.vol.)	Not required
Pot life:	58 minutes at 77°F/25°C will vary with ambient temperature
Cleaning of tools	7055 Odorless Reducer (086JB) or HEMPEL'S THINNER 08080 (xylene)
Coverage rate	65 sq ft/gallon, 25 mils DFT
Cure time: 70°F/21°C, 64% relative humidity	9 hours

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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. Shot-blast concrete to ICRI CSP 4 profile. Test concrete to determine moisture vapor emission rate (MVER), including Anhydrous Calcium Chloride testing as per ASTM F1869-11 on slabs to be treated. Testing will determine the MVER in lb/1,000 ft^2/24 hours (grams/m^2/hr) and the relative humidity percentage as per ASTM F2170.
Application instructions:	Apply per Neogard Guide Specifications. Backroll with a spiked roller to eliminate bubbles and pinholes.
Application conditions:	Substrate and ambient temperatures: 45°F/7°C–120°F/49°C.
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: **70700/70701 is for professional use only.**

Issued by: Hempel (USA) – 255JB

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. 70700-70701-PDS ksk 10272021.docx

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