

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:

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| 70700 (255J900000) | Clear | 3- and 15-gallon kits |
| 70701 (95MJB0000) | Amber | |

Physical constants:

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|-------------------------|-----------------------------|------------|
| 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
Mixing ratio: **255JB**
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/1000 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: | According to Neogard Guide Specifications. |
| 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 supersedes those previously issued.

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