

Product Data Sheet

Hybri-Gard™ HTU (653JB)

High Traffic Urethane, SCAQMD-Compliant

653JB: 653J9 (Base); 699JB (Curing Agent); 647JB (Aggregate)



Description: Hybri-Gard™ High Traffic Urethane (653JB) is a two-component moisture-cured urethane topcoat with excellent abrasion and chemical resistance characteristics.

Recommended use: For use in high traffic areas requiring high abrasion resistance and UV stability: Manufacturing plants, distribution warehouses, automotive facilities, facility maintenance, education, restaurants and food service, hospitals and healthcare, etc. As a high wear topcoat for use in conjunction with various Neogard Hybri-Gard™ floor coating systems.

Certificates / Approvals: LEED v4: MRc4, EQc3

Features: Meets South Coast Air Quality Management District (SCAQMD) VOC requirements.

Availability: Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

| | | |
|-------------------------|--------|-------------|
| 653J900000G001 (PART A) | Clear | 1-gallon |
| 699JB00000G,25 (PART B) | Clear | 0.25 gallon |
| 647JB00000G,25 (PART C) | Powder | 0.25 gallon |

Color packs sold separately

Physical constants:

| | | |
|--|--|------------|
| Tensile strength: | 6,250 psi | ASTM D2370 |
| Taber abrasion: | 10 mg /1,000 cycles CS-17- A:B:C | ASTM D4060 |
| Shore D: | 83 | ASTM D2240 |
| Weight/gallon: | 9.64 lb/gal | ASTM D1475 |
| Weight solids (mixed): | 94% | ASTM D4209 |
| Volume solids (mixed): | 92% | Calculated |
| VOC: | < 25 g/L | ASTM D5201 |
| Flash point: | > 200°F | ASTM D3278 |
| Pot Life, 75°F / 23°C, 50% relative humidity: | 75 min | |
| Cure Time, 75°F / 23°C, 55% relative humidity: | 24 hours light foot traffic, 3 days medium duty traffic, 7 days full service | |
| Shelf life, unopened, stored at 73°F: | 1 year | |

The above tested results are typical values for the neat resin (base) or base + curing agent (mixed). Cured properties are exclusive of aggregate. Individual lots may vary up to 10% from the typical value. Further technical information can be found at www.neogard.com.

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Application Details:

| | |
|--------------------------------|---|
| Mix ratio: | Mix full kits only (A+B+C) |
| Mixing instructions: | Pre-mix Part A for 2 minutes. Using a variable speed drill equipped with a Jiffy mixing blade, add Part B and mix for a minimum of 2 minutes on low speed. Apply immediately after mixing. If pigment is required, mix pigment into Part A before combining with Part B. |
| Application method: | Dip and roll. Apply mixture using a 9" or 18" wide ½" nap paint roller at a rate of 475-500 sq. feet/gallon. To be applied without thinning. |
| Cleaning of tools: | Acetone or other VOC compliant multi-purpose solvents. Confirm compliance with Local, State and Federal air quality before use. |
| Safety: | Handle with care. Use with adequate ventilation. Product is moisture sensitive; not recommended for constant immersion. 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. |
| Application conditions: | Substrate temperature must be above 50°F and/or below 90°F, and more than 5°F above the dew point and rising. This product should be applied between 25 % and 80% relative humidity. Application of the coating above the recommended dry film thickness or at relative humidity above 80% may cause bubbles and or micro-bubbles to form in the coating. Application in relative humidity below 25% will inhibit curing. |
| Preceding coat: | According to Neogard Guide Specifications. |
| Subsequent coat: | According to Neogard Guide Specifications. |
| Storage temperature: | Store material in a cool and dry place out of direct sunlight. Material should be stored between 70° F and 90° F. |
| Remarks: | For interior use. |

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Note: **Hybri-Gard™ HTU is for professional use only.**

Issued by: Hempel (USA) – 653JB

This Product Data Sheet supersedes those previously issued.

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. Hybri-Gard HTU (653JB)-PDS-EN.snh 06282024.docx

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