

Product Data Sheet

FC400VT/FC600 Integrally Textured Aliphatic Urethane Topcoat 45VJB: Base 45VJ9: Curing Agent 919JB



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|---------------------------------|---|
| Description: | FC400VT/FC600 Curing Agent (Hempel 45VJB) is a two-component, integrally textured fast-cure polyurethane topcoat. |
| Recommended use: | FC400VT is used as a waterproofing membrane for pedestrian and vehicular traffic bearing surfaces, where fast turnaround time and/or solvent free-materials are required. Suitable areas include parking garages, stadiums, balconies, plaza decks, walkways, rooftop recreation areas, and mechanical rooms. |
| Features: | Meets South Coast Air Quality Management District (SCAQMD) VOC requirements. |
| Certificates / approvals | LEED v4: MRc4, EQc3 |
| Availability: | Available in North America. Not included in Group Assortment; other regions must confirm. |

Colors and packaging:

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|---------------------------------|--------------|------------|
| FC400VT (45VJ916650) | Gray | 6.5 Gallon |
| FC400VT (45VJ923820) | Tan | 6.5 Gallon |
| FC400VT (45VJ916660) | Light Gray | 6.5 Gallon |
| FC400VT (45VJ16680) | Charcoal | 6.5 Gallon |
| FC400VT (45VJ93820) | Tan | 6.5 Gallon |
| FC400VT (45VJ961300) | Dark Maple | 6.5 Gallon |
| FC600 Curing Agent (919JB00000) | Clear/Yellow | 1 Gallon |

Physical constants:

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|---|---------------------|---------------|
| Tensile Strength | 3000 psi | ASTM D412 |
| Elongation | 300% | ASTM D412 |
| Permanent Set | <15% | ASTM D412 |
| Tear Resistance: | 500 pli | ASTM D1004 |
| Water Resistance: | 1% at 7 days | ASTM D471 |
| Taber Abrasion: | <10mg/1000 cycles | ASTM D4060-90 |
| Shore A | 87-90 | ASTM D2240 |
| Adhesion | >400 psi | ASTM D4541 |
| MVT@20 mils: | 1.6 English Perm | ASTM E96 |
| Weight/Gallon (mixed) | 9.3 lbs/gal | ASTM D5201 |
| Weight Solids (mixed) | 93.72% (calculated) | ASTM D4209 |
| Volume Solids (mixed) | 92.51% (calculated) | ASTM D5201 |
| VOC (mixed) | <100 g/L | ASTM D5201 |
| Viscosity (mixed) | 2000-3800 CPS | ASTM D562 |
| Shelf Life | 1 year | |
| Cure to Recoat at 77°F/25°C, 50% relative humidity | 2-3 hours | |

Cured properties are exclusive of aggregate. The above tested results are typical values. Individual lots may vary. Further technical information can be found at www.neogard.com

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FC400VT/FC600 Fast-Cure Aliphatic Urethane Topcoat
45VJB: Base 45VJ9: Curing Agent 919JB



Application details:

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| Version, mixed product: | 45VJB |
| Mixing ratio: | Base 45VJ9 : Curing Agent 919JB 8:1 by volume |
| Mixing instructions: | Pre-mix base for 3–5 minutes before adding curing agent. Mix for a minimum of 5 minutes before applying. Jiffy Mixer paddle recommended. |
| Application method: | Roller or notched squeegee |
| Thinner (max.vol.): | Acetone or other VOC compliant multi-purpose solvents not to exceed 5% by volume. |
| Accelerator: | Not recommended |
| Pot life: | 120 minutes at 75°F/23°C |
| Cleaning of tools: | Acetone or other VOC compliant multi-purpose solvents. Confirm compliance with Local, State and Federal air quality rules before use. |

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.

Application conditions: Substrate temperature must be between 40°F/4°C and 110°F/32°C.

Preceding coat: According to Neogard Guide Specifications.

Storage temperature: Store material in a cool and dry place out of direct sunlight. Do not store near open flame or ignition source.. Recommended temperature: 75°F/23°C.

Remarks: Not recommended for constant immersion. Do not apply over asphaltic compounds. For on-grade applications, substrates constructed over unvented metal decks or between-slab applications, contact Neogard Technical Service.

Note: **45VJB is for professional use only.**

Issued by: Hempel (USA)

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| 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.
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2728 Empire Central - Dallas, Texas 75235 - Phone (214) 353-1600 - Fax (214) 357-7532 - www.neogard.com