

Product Data Sheet

FC400 VT/FC600 Fast-Cure Aliphatic Urethane Topcoat 45VJB: Base 45VJ9 : Curing Agent 919JB



Description:	FC400 VT/ FC600 Curing Agent (Hempel 45VJB) is a two-component, fast-cure polyurethane topcoat.
Recommended use:	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.
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Color and packaging:

FC400 VT Grey Base (45VJ916650)	Grey	}	5.34Gal in a 6.5Gal Can
FC400 VT Light Grey Base (45VJ916660)	Light Grey		
FC400 VT Charcoal Base (45PJV16680)	Charcoal		
FC400 VT Tan Base (45PJV23820)	Tan		
FC400 VT Dark Maple Base (45VJ961300)	Dark Maple		
FC600 Curing Agent (919JB00000)	Amber		0.66Gal in a 1.0Gal Can

Physical constants:

Tensile strength	3000 psi	ASTM D412
Elongation	300%	ASTM D412
Permanent Set	<15%	ASTM D412
Tear Resistance	500 pli	ASTM 1004
Water resistance	1% at 7 days	ASTM D471
MVT at 20 mils	2.3 English Perm	ASTM E96
Taber abrasion	10 mg/1,000 CS-17	ASTM D4060
Shore A	87-90	ASTM D2240
Adhesion	>400 psi	ASTM D4541

Weight/gallon (mixed)	9.30 Lbs/gal	ASTM D5201
Weight solids (mixed)	91.1%	ASTM D5201
Volume solids (mixed)	92.3%	ASTM D5201
VOC (mixed)	<100 g/L	ASTM D5201
Viscosity (mixed)	2000–3800 CPS at	ASTM D2196
Flash point, XB328	77°F/21°C	Refer to SDS
Flash point, XB329		Refer to SDS
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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Application details:

Version, mixed product	45VJB
Mixing ratio:	Base 45VJ9 : Curing Agent 919JB 8.1 : 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 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.

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 in a cool area to ensure full shelf life. 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)

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.

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