

# Product Data Sheet

## FC400TC/FC600 Fast-Cure Aliphatic Urethane Topcoat 45TJB: Base 45TJ9: Curing Agent 919JB



<b>Description:</b>	FC400TC/FC600 Curing Agent (Hempel 45TJB) is a two-component, fast-cure polyurethane topcoat.
<b>Recommended use:</b>	FC400TC 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.
<b>Features:</b>	Meets South Coast Air Quality Management District (SCAQMD) VOC requirements.
<b>Certificates / approvals</b>	LEED v4: MRc4, EQc3
<b>Availability:</b>	Available in North America. Not included in Group Assortment; other regions must confirm.

### Colors and packaging:

FC400TC (45TJ916650)	Gray	6.5 Gallon
FC400TC (45TJ923820)	Tan	6.5 Gallon
FC400TC (45TJ916660)	Light Gray	6.5 Gallon
FC400TC (45TJ16680)	Charcoal	6.5 Gallon
FC400TC (45TJ93820)	Tan	6.5 Gallon
FC400TC (45TJ961300)	Dark Maple	6.5 Gallon
FC600 Curing Agent (919JB00000)	Clear/Yellow	1 Gallon

### Physical constants:

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)	200-3800 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](http://www.neogard.com)*

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FC400TC/FC600 Fast-Cure Aliphatic Urethane Topcoat  
45TJB: Base 45TJ9: Curing Agent 919JB



## Application details:

Version, mixed product:	45TJB
Mixing ratio:	Base 45TJ9 : 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:** 45TJ9 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](http://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](http://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](http://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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