

# Product Data Sheet

**FC7540/FC7964 — Fast-Cure Aliphatic Urethane Topcoat**  
**47QJB: Base 47QJ9 : Curing Agent 949JB**



<b>Description:</b>	FC7540/FC7964 (Hempel 47QJB) is a two-component, aliphatic, high solids, fast-cure polyurethane topcoat.
<b>Recommended use:</b>	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>	Available in a tint base; custom colors can be produced in small amounts. Meets South Coast Air Quality Management District (SCAQMD) VOC requirements.
<b>Certificates/approvals:</b>	LEED: MRc5, IEQc4.2, SSc7.1, BDc4, IDc4 Miami-Dade: NOA No.: 14-0902.10, NOA No. 15-0616.03
<b>Availability:</b>	Available in North America. Not included in Group Assortment; other regions must confirm.

## Colors and packaging:

FC7540 (47QJ916650)	Gray	4- and 2-gallon
FC7540-03 (47QJ923820)	Tan	2-gallon
FC7540-11 (47QJ916660)	Light Gray	4- and 2-gallon
FC7540-041 (47QJ916680)	Charcoal	4- and 2-gallon
FC7540-058 (47QJ961300)	Dark Maple	2-gallon
FC7540-00 (47QJ900050)	(Tint Base, special order only)	
FC7964 (949JB00000)	Clear	2- and 1-gallon

*Some standard colors and/or packaging may have extended lead times and/or minimum quantities. Contact Neogard for additional colors.*

## Physical constants:

Tensile Strength	2,000 psi	ASTM D412
Elongation	130%	ASTM D412
Permanent Set	<10%	ASTM D412
Tear Resistance	155 pli	ASTM D1004
Water Resistance	<2% at 7 days	ASTM D471
MVT at 20 mils	1.0 English Perm	ASTM E96
Taber Abrasion	95 mg/1,000 cs17	ASTM D4060
Shore A	80–90	ASTM D2240
Adhesion to: 70714/70715 7780/7781 FC7510/FC7961 FC7500/FC7960 FC7540/FC7964 70410 7430	400 psi	ASTM D4541
Weight/Gallon (mixed)	11.1 lbs/gal	ASTM D1475
Weight Solids (mixed)	91% at 12 hours	ASTM C1250
Volume Solids (mixed)	89%	Calculated
VOC (mixed)	<99.5 g/L	EPA Method 24
Viscosity (mixed)	1,200 cps	ASTM D2196
Flash Point, FC7540	275°F (135°C)	ASTM D3278
Flash Point, FC7964	135°F (57°F)	ASTM D3278
Cure to Recoat at 75°F (24°C), 50% relative humidity	3–4 hours	

*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](http://www.neogard.com).*

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## Application details:

<b>Version, mixed product</b>	<b>47QJB</b>
Mixing ratio:	Base 47QJ9 : Curing Agent 949JB 2 : 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.):	7055 Odorless Reducer (086JB1L001) (10%)
Pot life:	120 minutes at 75°F (23°C)
Cleaning of tools:	Hempel's Thinner 08080 (xylene)
<b>Safety:</b>	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.
<b>Application conditions:</b>	Substrate temperature must be between 40°F (4°C) and 110°F (43°C).
<b>Preceding coat:</b>	According to Neogard Guide Specifications.
<b>Storage temperature:</b>	Store in a cool area to ensure full shelf life. Recommended temperature: 75°F (23°C).
<b>Remarks:</b>	Not recommended for constant immersion. Not compatible with asphaltic compounds. For on-grade applications, substrates constructed over unvented metal decks or between-slab applications, contact Neogard Technical Service.

Note: **FC7540/FC7964 is for professional use only.**

Issued by: Hempel (USA) – 47QJB

This Product Data Sheet supersedes those previously issued.

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