

# 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.<br>Meets South Coast Air Quality Management District (SCAQMD) VOC requirements.                                                                                                                                     |
| <b>Certificates/approvals:</b> | LEED: MRc5, IEQc4.2, SSc7.1, BDc4, IDc4<br>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 |
| <i>Some standard colors and/or packaging may have extended lead times and/or minimum quantities. Contact Neogard for additional colors.</i> |                                 |                 |

### 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 CS-17 | ASTM D4060 |
| Shore A          | 80–90             | ASTM D2240 |

|                                                       |                     |              |
|-------------------------------------------------------|---------------------|--------------|
| Adhesion to:                                          |                     |              |
| 70714/70715                                           |                     |              |
| 7780/7781                                             |                     |              |
| FC7510/FC7961                                         | 400 psi             | ASTM D4541   |
| FC7500/FC7960                                         |                     |              |
| FC7540/FC7964                                         |                     |              |
| 70410                                                 |                     |              |
| 7430                                                  |                     |              |
| Weight/gallon (mixed)                                 | 11.1 lbs/gal ± 0.25 | ASTM D1475   |
| Weight solids (mixed)                                 | 91% ± 2.0%          | ASTM D5201   |
| Volume solids (mixed)                                 | 89% ± 1.0%          | ASTM D5201   |
| VOC (mixed)                                           | <100 g/L            | ASTM D5201   |
| Viscosity (mixed)                                     | 1,200 cps           | ASTM D2196   |
| Flash point, FC7540                                   |                     | Refer to SDS |
| Flash point, FC7964                                   |                     | Refer to SDS |
| Cure to recoat at 75°F/23°C,<br>50% relative humidity | 3–5 hours           |              |

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



## Application details:

|                               |                                                                                                                                          |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Version, mixed product</b> | <b>47QJB</b>                                                                                                                             |
| Mixing ratio:                 | Base 47QJ9 : Curing Agent 949JB<br>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.):           | Hempel 08710 or Acetone may be added not to exceed 5% by vol. or 6 oz/gal                                                                |
| Accelerator:                  | At 40°F, 0.6 oz/gal of 7931 (99055)                                                                                                      |
| 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.    |

|                |                                                                                                                                                                                                                              |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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. 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:** **FC7540/FC7964 is for professional use only.**

**Issued by:** Hempel (USA) – 47QJB

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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