

Product Data Sheet

FC7545/FC7964 — Integrally Textured Aliphatic Urethane 47RJB: Base 47RJ9 : Curing Agent 949JB



Description:	FC7545/FC7964 (Hempel 47RJB) is an integrally textured, two-component, fast-cure, high solids, aliphatic urethane.
Recommended use:	As a waterproofing membrane wear coat or topcoat for vehicular traffic surfaces, designed for applications where fast turnaround time and/or solvent-free materials are required.
Features:	Integrally textured—aggregate is already added to the material. Meets South Coast Air Quality Management District (SCAQMD) VOC requirements.
Certificates/approvals:	LEED: MRc5, IEQc4.2, SSc7.1 Miami-Dade: NOA No.: 14-0902.10, NOA No. 15-0616.03
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

FC7545 (47RJ916650)	Gray	4- and 2-gallon
FC7545-11 (47RJ916660)	Light Gray	4- and 2-gallon
FC7545-041 (47RJ916680)	Charcoal	4- and 2-gallon
FC7545 (47RJ920300)	Safety Yellow	2-gallon
FC7545-00 (47RJ900050)	(Tint Base, special order only)	2- and 1-gallon
FC7964 (949JB00000)	Clear	

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	400 psi	ASTM D4541
FC7500/FC7960		
FC7540/FC7964		
70410		
7430		

Weight/Gallon (mixed)	10.09 lbs/gal	ASTM D5201
Weight Solids (mixed)	92%	ASTM D5201
Volume Solids (mixed)	89%	ASTM D5201
VOC (mixed)	78.6 g/L	ASTM D5201
Viscosity (mixed)	120-140 KU at 77°F	ASTM D562
Flash Point, FC7545	162°F (72°C)	ASTM D56
Flash Point, FC7964	135°F (57°C)	ASTM D56
Cure to Recoat at 77°F (25°C), 50% relative humidity*	3–4 hours	
Cure to Recoat at 85°F (30°C), 50% relative humidity*	2 hours	
Recoat Window (without primer*)	5 days maximum after application	

Cured properties are exclusive of aggregate. 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.

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Application details:

Version, mixed product	47RJB
Mixing ratio:	Base 47RJ9 : 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:	Squeegee or roller (do not dip and roll from container)
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)
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. Not compatible with asphaltic compounds. For on-grade applications, substrates constructed over unvented metal decks or between-slab applications, contact Neogard Technical Service.

Note: **FC7545/FC7964 is for professional use only.**

Issued by: Hempel (USA) – 47RJB

This Product Data Sheet supersedes those previously issued.

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