

FC7540/FC7964

2K Aliphatic Urethane Topcoat



Product Data Sheet

PRODUCT DESCRIPTION

FC7540/FC7964 is a two-component, fast-cure, high solids elastomeric aliphatic urethane topcoat, designed for use as a waterproofing membrane for pedestrian and vehicular traffic bearing surfaces. FC7540/FC7964 is designed for applications where fast turnaround time is a requirement.

PRODUCT NUMBERS AND COLORS

Standard colors are: FC7540 Gray
FC7964 Clear

CURED RESIN PERFORMANCE

Description	Test Method	Results
Tensile Strength	ASTM D412	2,000 psi
Elongation	ASTM D412	75%
Permanent Set	ASTM D412	<10%
Tear Resistance	ASTM D1004	155 pli
Water Resistance	ASTM D471	<2% @ 7 days
Taber Abrasion	ASTM D4060	95 mg/1,000 cs17
Shore A	ASTM D2240	80-90
Adhesion to: Concrete, 7780/7781, 70714/70715, 70410, 7430, FC7500/FC7960, FC7510/FC7961 and FC7540/FC7964	ASTM D4541	400 psi

PRODUCT DATA

Description	Test Method	Results
Mix Ratio (vol)		2:1 with FC7964
Weight/Gal (mixed)	ASTM D1475	11.1 lbs/gal
Weight Solids (mixed)	ASTM C1250	91% @ 12 hours
Volume Solids (mixed)	Calculated	86.7%
VOC (mixed)	EPA Method 24	<99.5 g/L
Viscosity (mixed)	ASTM D2196	1,200 cps
Flash Point (FC7540)	ASTM D3278	201°F
Flash Point (FC7964)	ASTM D3278	106°F

Description	Test Method	Results
Pot Life @ 75°F, 50% RH		2 hours
Cure to Recoat @ 75°F, 50% RH		3 to 4 hours
Recoat Window (w/o the use of Rebond Primer)		5 days maximum after application

MIXING

Mix FC7540 topcoat 2:1 by volume with FC7964 urethane hardener which is clear in color. Proper mixing of the 2 component materials is required for successful projects. Please note that the products are packaged in 3 gallon or 15 gallon kits. The mixing recommendations are as follows:

1. For the 15 gallon kit, mix the two 5 gallon containers of the color side first for 3-5 minutes and then pour into a larger container for additional mixing. For the 3 gallon kit, mix the 2 gallons of the color side first for 3-5 minutes within the original container. This process is important for proper pigment dispersion.
2. For the 15 gallon kit, add a 5 gallon container of the urethane hardener to the larger mixing container. For the 3 gallon kit, add a 1 gallon container of the urethane hardener to the original color side container. Mix combined product for 5 minutes or more with a variable speed drill utilizing a jiffy mixer to attain a uniform color.
3. Do not turn empty containers upside down or scrape sides to capture remaining coating. This material is not fully mixed and will result in uncured spots within the coating.

STORAGE

Containers of urethane coating should be stored in a cool (70°F) area to insure long shelf life. To prevent container rupture due to very high temperature, keep away from heat and/or open flames.

HEALTH AND SAFETY

Read the Material Safety Data Sheet (MSDS) and container labels for detailed health and safety information. This product is intended for industrial use by properly trained professional applicators only.

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NEOGARD Div. of JONES-BLAIR

2728 Empire Central - Dallas, Texas 75235 - Phone (214) 353-1600 - Fax (214) 357-7532 - www.neogard.com