

# FC7510/FC7961

## 2K Aromatic Urethane



### Product Data Sheet

#### PRODUCT DESCRIPTION

FC7510/FC7961 is a two-component fast-cure polyurethane topcoat designed for use as a waterproofing membrane for pedestrian and vehicular traffic bearing surfaces. FC7510/FC7961 is designed for applications where fast turnaround time and/or solvent free materials are a requirement and is for interior or covered use only.

FC7510/FC7961 is Sealant • Waterproofing & Restoration Institute (SWRI) validated.

#### PRODUCT NUMBERS AND COLORS

Standard colors are: FC7510 Gray  
FC7961 Amber

#### CURED RESIN PERFORMANCE

Description	Test Method	Results
Tensile Strength	ASTM D412	2,200 psi
Elongation	ASTM D412	80%
Permanent Set	ASTM D412	<10%
Tear Resistance	ASTM D1004	165 lb/in
Water Resistance	ASTM D471	<1% @ 7 days
Hydrolytic Stability	ASTM D3137	80+% Tensile Retention
MVT @ 20 mils	ASTM E96	0.4 Perm English
Taber Abrasion	ASTM D4060	55 mg/1,000 cs17
Shore A	ASTM D2240	84-90
Adhesion to: 7760/7761, 7780/7781, 70714/70715 and FC7500/FC7960	ASTM D4541	400 psi

The above tested results are typical values. Individual lots may vary up to 10% from the typical value.

#### PRODUCT DATA

Description	Test Method	Results
Mix Ratio (vol)		3:1 with FC7961
Weight/Gal (mixed)	ASTM D1475	11.5 lbs/gal
Weight Solids (mixed)	ASTM C1250	99% @ 12 hours

Description	Test Method	Results
Volume Solids (mixed)	Calculated	98%
VOC (mixed)	EPA Method 24	<22 g/L
Viscosity (mixed)	ASTM D2196	900 cps
Flash Point (FC7510)	ASTM D3278	205°F
Flash Point (FC7961)	ASTM D3278	350°F
Pot Life @ 75°F, 50% RH		50 to 70 minutes
Cure to Recoat @ 75°F, 50% RH		5 to 6 hours
Recoat Window (w/o the use of Rebond Primer)		3 days maximum after application

The above tested results are typical values. Individual lots may vary up to 10% from the typical value.

#### MIXING

Mix FC7510 base coat 3:1 by volume with FC7961 urethane hardener which is amber in color. Proper mixing of the 2 component materials is required for successful projects. The recommendations are as follows:

1. Mix the color side (5 gal. pail) first for 3-5 minutes. This is important for proper pigment dispersion.
2. Add urethane hardener (1 gal. can) and mix for 5 minutes or more with a variable speed drill utilizing a jiffy mixer to attain a uniform color.
3. When placing coating, do not turn empty bucket 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 polyurethane 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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Issued to: Neogard, a division of the Jones-Blair Company  
Product: FC7500/FC7960 Base Coat & FC7510/FC7961 Top Coat

**ASTM D 412:** Tensile Strength of Top Coat FC7510/FC7961 Top Coat  
Tensile Strength: 2,100 psi; Pass ✓  
Elongation: 95% Pass ✓

**ASTM D 4541:** Adhesion of Base Coat FC7500/FC7960 Base Coat  
Pull-off Adhesion: <1,300 psi Pass ✓

**ASTM D 4060:** Abrasion Resistance of Top Coat FC7510/FC7961 Top Coat  
Abrasion Resistance: 75 mgms loss - mgms loss/1,000 cycles Pass ✓

Validation Date: 2/21/08-2/20/13

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