

### FT290 Grout/Crack Filler



#### GENERAL DATA

<b>Application Temperature &amp; Humidity</b>	50° —90° F @ <80% RH
<b>Colors</b>	Neutral, Gray & Red
<b>Percent Solids By Weight</b>	100%
<b>Recommended Thickness</b>	< 1/8"
<b>Film Thickness</b>	< 1/8"
<b>Cure Rate @ 75° F</b>	
Pot Life	6 hours
Overcoat	8 hours
Foot Traffic	24 hours
Heavy Traffic	

#### DESCRIPTION

FT290 Grout/Crack Filler is a three component high strength 100% epoxy mortar designed for surface repair of horizontal concrete cracks, holes and gouges.

#### RECOMMENDED USES

FT290 Grout/Crack Filler is intended to be used in high traffic industrial and warehouse floors. It is an excellent material to repair imperfections in concrete floors prior to coating or resurfacing.

#### ADVANTAGES

- High strength
- 100% solids
- Fast set time
- Superior bond strength
- Excellent adhesion

#### PACKAGING

- 2 Gal. Kit 17 lb.
- 10 Gal. Kit 85 lb.
- Mixing Ration 1 Part A to 1 Part B

#### TEST / PHYSICAL PROPERTIES

Test	Method	Values
<b>Impact Resistance</b>		50"/lb direct
<b>Abrasion Resistance</b>	Taber Abrasion CS-17 Wheel, 500 cycles, 1000 gm load	50 mg loss
<b>Compressive Strength</b>	ASTM D-695	6100 PSI
<b>Hardness D</b>		35

#### Mixing Ratio

1 Part A to 1 Part B

**MIXING AND APPLICATION INSTRUCTIONS (NP821)**

- 1) **PRODUCT STORAGE** Store product at normal room temperature before using. Continuous storage should be between 60° and 90°F. Low temperatures or temperature fluctuations may cause crystallization.
- 2) **SURFACE PREPARATION:** All dirt, foreign contaminants, oil and laitance must be removed to assure a trouble free bond to the substrate. A test should be made to determine that the concrete is dry; this can be done by placing a 4X4 plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start repair work. This product is intended for hairline cracks and other fractures up to 1/8 inch in width. Remove all unsound concrete from within the crack to be repaired and thoroughly vacuum all debris and dust from within the crack opening.
- 3) **PRODUCT MIXING:** This product has a mix ratio of 1 part A to 1 part B by volume. To mix, simply measure out equal volumes of the material and mix them together thoroughly with slow speed mixing equipment such as jiffy mixer until the material is thoroughly mixed and streak free. Mix only an amount of material that can be used in a short period of time. A two gallon volume of material will have a usable pot life of about 7-10 minutes. Smaller volumes will be easier to work with as well as adding more time to the usable pot life.
- 4) **PRIMING:** No priming is necessary.
- 5) **PRODUCT APPLICATION:** The mixed material can be applied by marginal trowel, putty knife or any other suitable equipment.
- 6) **RECOAT OR TOPCOATING:** When placing a topcoat over a repaired crack, allow the material to cure before installing the coating. If a blush is present, it must be removed prior to topcoating or recoating. A standard type detergent cleaner can be used to remove any blush. Many epoxy coatings and urethanes are compatible for use over this product as well as multiple coats of this product.
- 7) **CLEANUP:** Use xylol.
- 8) **FLOOR CLEANING:** Caution! Some cleaners may effect the color of the fast set gel installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.
- 9) **RESTRICTIONS:** Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (24 hours). It is best to let the floor remain dry for the full cure cycle.

**Crack Repair = Linear Feet per US Gallon**

Crack Width	Yield in Feet Thickness 24 Inches	Yield in Feet Thickness 12 Inches	Yield in Feet Thickness 8 Inches	Yield in Feet Thickness 6 Inches	Yield in Feet Thickness 4 Inches
1/128" or 8 Mils	102.7	205.3	308.0	410.7	616.0
1/64" or 16 Mils	51.3	102.7	154.0	205.3	308.0
1/32" or 31 Mils	25.7	51.3	77.0	102.7	154.0
1/16" or 60 Mils	12.8	25.7	38.5	51.3	77.0
1/8" or 125 Mils	6.4	12.8	19.3	25.7	38.5
1/4" or 250 Mils	3.2	6.4	9.6	12.8	19.3
1/2" or 500 Mils	1.6	3.2	4.8	6.4	9.6
3/4" or 750 Mils	1.1	2.1	3.2	4.3	6.4
1" or 1000 Mils	0.8	1.6	2.4	3.2	4.8

**Mortar & Slurry Coverage Rate Per Cubic Foot of Mixed Material**

Thickness of Mortar In Inches	Coverage Rate/sq. ft.
1/16	192.0
3/32	144.0
1/8	96.0
3/16	72.0
1/4	48.0
3/8	36.0
1/2	24.0
5/8	21.0
3/4	18.0
7/8	15.0
1	12.0
1 1/4	10.5
1 1/2	9.0
1 3/4	7.5
2	6.0