K Pro UW EPL Grout

K Pro UW EPL Grout is an extended pot life, marine-grade, 100% solids, two component, and moisture-insensitive epoxy resin system specifically engineered for use in the restoration of structural pile members in underwater applications. K Pro UW EPL Grout is a low viscosity resin that may be filled with our ***low-dust*** K Pro UW Aggregate to produce a flowable, pump-able, and pourable epoxy grout that can either be pumped, poured, or tremied into the annular space between the piling and the pile jacket. K Pro UW EPL Grout is ideally suited for use when placement temperatures are greater than 90°F where an extended pot life and open time is necessary for proper placement. Furthermore, K Pro UW EPL Grout does not contain any fillers or nonreactive diluents, may be used in fresh, salt, or brackish water, and bonds effectively to wood, concrete, steel, and fiberglass pile jackets.

ADVANTAGES

- Easy 2:1 Epoxy Mixing Ratio
- Extended Pot Life
- Ideal for hot weather placement
- Low Dust Aggregate
- Pump-able, Flowable, and Pourable
- Placement Without De-Watering
- High Compressive Strengths
- Moisture Insensitive
- Solvent-Free
- May Be Pumped, Tremied, or Poured
- Bonds to Steel, Wood, and Fiberglass Pile Jackets
- LEED Credits
- Non-Segregating
- Impact Resistant
- Chemical Resistant
- Low In-Place Cost
- Low Water Absorption
- Water-Resistant
- Above or Below Grade

USES

- Pile Jacketing Applications
- Underwater Grouting
- Pumping Applications
- Tremie Grouting
- Piers
- Dams
- Sea Walls
- Bridges
- Marine Structures
- Multipurpose Epoxy Grout

PACKAGING: HIGH FLOW MIX RATIO

UNIT SIZE	A COMPONENT	B COMPONENT	AGGEGATE
1.05 ft^3 Unit	2 Gallon Pail	1 Gallon Can	100 lbs. (2 Bags)
5.15 ft^3 Unit	(2) 5 Gallon Pails	(1) 5-Gallon Pail	500 Lbs. (10 Bags)

KAUFMAN
Concrete Treatments

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PACKAGING: STANDARD MIX RATIO

UNIT SIZE	A COMPONENT	B COMPONENT	AGGEGATE
1.38 ft^3 Unit	2 Gallon Pail	1 Gallon Can	150 lbs. (3 Bags)
6.80 ft^3 Unit	(2) 5 Gallon Pails	(1) 5-Gallon Pail	750 Lbs. (15 Bags)

TEST METHODS

TEST METHODS	UNFILLED PRODUCT PHYSICAL INFORMATION	
Mix Ratio	2:1 by Volume	
Shelf Life	2 Years	
VOC Content	0 Grams/Liter	
Tensile Elongation (ASTM D-638)	8-10%	
Bond Strength (ASTM C-882) 2 Days Moist Cure 14 Days Moist Cure 14 Days Air Cured	 1,500 psi. 2,500 psi. 2,300 psi.	
Water Absorption (ASTM D-570)	0.07% at 24 Hours	
	72°F	95°F
Viscosity, (ASTM D-2556)	950-1,000 cps.	400-450 cps.
Gel Time (ASTM C-881)	145-155 Minutes	85-95 Minutes
Compressive Strength, 7 days (ASTM D-695)	4,600 psi.	8,600 psi.
Tensile Strength, 7 Days (ASTM D-638)	2,100 psi.	3,700 psi.

TEST METHODS	UNFILLED PRODUCT PHYSICAL INFORMATION			
	HIGH FLOW MIX RATIO TEST RESULTS		STANDARD MIX RATIO TEST RESULTS	
	72°F	95°F	72°F	95°F
Compressive Strength, (ASTM C-579 Proc. B) 1 Day 2 Days 3 Days 7 Days 14 Days	 3,500 psi. 6,000 psi. 10,000 psi. 11,250 psi.	 3,200 psi. 6,500 psi. 8,100 psi. 10,150 psi. 10,900 psi.	 3,100 psi. 6,000 psi. 10,000 psi. 11,600 psi.	 3,500 psi. 5,900 psi. 7,500 psi. 9,450 psi. 10,000 psi.
Flexural Strength, 7 Days (ASTM C-580)	4,900 psi.	5,700 psi.	4,100 psi.	4,800 psi.
Tensile Strength (ASTM C-307)	2,500 psi.	2,600 psi.	2,000 psi.	2,300psi.
Adhesion (ASTM D-4541) Fiberglass PVC Steel Marine Wood	 1,100 psi. 1,400 psi. 2,000 psi. 1,800 psi.			
Adhesion to Concrete (ASTM D-7234)	500 psi.			
Density, High Flow Mix Ratio (ASTM C-905)	121 lbs./ft^3			
Density, Standard Mix Ratio (ASTM C-905)	128 lbs./ft^3			