

UNIQUE'S POSTCRETE GROUT/WS[®]

HYDRAULIC CEMENT

COMMERCIAL-GRADE CONCRETE PATCHING MATERIAL



JUST ADD WATER

Single Component - no bonding agents required

Product Description

UNIQUE'S POSTCRETE GROUT/WS[®] is a hydraulic cement blended with proprietary ingredients.

Recommended Uses

Use to anchor bolts, pipe, ornamental iron, seats, signs, grout base plates, and equipment pads, fill voids, instantly stop running water or seepage through holes or cracks in concrete or masonry walls, pools, water storage facilities, tunnels, fountains, water channels, ponds, and piers. Use to patch mortar joints, cracks, and holes in masonry walls.



For Best Results

For best results the water temperature should be between 55°F and 75°F.

- Warmer water will accelerate the set of the material
- Cooler water will slow the set of the material

Benefits / Features

- Stops water, even under pressure
- 3-5 minute set time
- High Early Strength
- Excellent bond strength
- Non-shrink/Volume stable
- Freeze-thaw resistant
- Can be top coated in 24 hours
- User friendly
- Easy clean-up
- Gets stronger as water tries to penetrate the repair

Coverage

One pound of UNIQUE'S **POSTCRETE GROUT/WS** Hydraulic Cement fills approximately 17 cubic inches and will repair a crack 3/4" x 3/4" x 30" long.

Shelf Life

Two years if stored in an unopened pail according to ACI Guidelines.



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UniquePavingMaterials.com

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UNIQUE'S POSTCRETE GROUT/WS® HYDRAULIC CEMENT

CEMENT TESTING RESULTS

Table 1. Fresh test data (ASTM C1473 & ASTM C191)

Flow (ASTMC 1437)	>150%
Initial Time of Set (ASTM C191)	7 1/2 Min.
Final Time of Set (ASTM C191)	10 Min.

Table 2. Slant shear test data (ASTM C882)

Cylinder Test Identification	Test Date (Age)	Elliptical Area, in. ²	Load, lb	Compressive Strength, psi	Average Compressive Strength, psi
A	August 13, 2015 (1 day)	14.13	15,480	1,096	1,140
B		14.13	16,720	1,183	
C		14.13	15,960	1,130	
D	August 19, 2015 (7 days)	14.13	34,140	2,416	2,410
E		14.13	34,680	2,454	
F		14.13	33,240	2,352	

Table 3. Compressive test data (ASTM C109)

Cube Identification	Test Date (Age)	Area, in. ²	Load, lb	Compressive Strength, psi	Average Compressive Strength, psi
H-1	July 21, 2015 (3 hours)	4.01	9,390	2,342	2,380
H-2		4.02	9,480	2,358	
H-3		4.02	9,810	2,440	
H-4	July 22, 2015 (1 day)	4.04	12,460	3,084	3,030
H-5		4.05	11,930	2,946	
H-6		4.08	12,490	3,061	
H-7	July 22, 2015 (1 day)	4.05	15,320	3,783	3,653
H-8		4.05	14,620	3,607	
H-9		4.05	14,450	3,568	
H-10	August 18, 2015 (28 days)	4.00	18,580	4,645	4,580
H-11		4.04	18,510	4,582	
H-12		3.98	17,990	4,520	

Table 4. Flexural strength test data (ASTM C293 - Modified)

Specimen Identification	Test Date (Age)	Load, lb	Flexural Strength, psi	Average Flexural Strength, psi
A	August 13, 2015 (1 day)	190	855	825
B		180	810	
C		180	810	
D	August 19, 2015 (7 days)	220	990	1,005
E		230	1,035	
F		220	990	
G	Sept. 18, 2015 (28 days)	260	1,170	1,200
H		270	1,215	
I		270	1,215	

Table 5. Length change results for continuous wet cure, reported as a percentage of the original length (ASTM C157).

Age	Bar 1	Bar 2	Bar 3	Average
28 Days	+0.006	+0.005	+0.005	+0.005
56 Days	+0.007	+0.008	+0.005	+0.007

Notes: The bars were demolded at 24 hours and the initial comparator reading was taken. The bars were then cured in lime water at 73±3°F until the age of 28 days. At the age of 28 days, the bars were then air dried in a room maintained at a temperature of 73±3°F during testing.

Table 6. Length change results for wet plus dry cure, reported as a percentage of the original length (ASTM C157).

Age	Bar 1	Bar 2	Bar 3	Average
28 Days (wet)	+0.006	+0.007	+0.005	+0.006
56 Days (28 days dry)	-0.151	-0.143	-0.147	-0.147

Table 7. Permeability test results (ASTM C1202)

Specimen Identification	Total Charge Passed, Coulombs	Average Total Charge Passed, Coulombs	Chloride Ion Permeability
Specimen A	1620	1606	Moderate
Specimen B	1592		