

Concrete Repair & Restoration Product Selection Matrix

Construction Grout & Precast

	C-1107 Construction Grout	High Strength Precision Grout	Precast Mortar Grout	Slab Dowel Grout	Under Slab Grout Rapid	Slab Bedding Grout
Features:						
Meets CRD-621 & ASTM 1107	■	■				
Vertical / Horizontal / Overhead	H	H	V / O	H	H	H
Structural	■	■	■	■	■	■
Rapid hardening				■	■	
Non-shrink	■	■	■	■	■	■
Non-metallic	■	■	■	■	■	■
Placement:						
Thickness	1" to 4" neat (25 mm to 102 mm)	1" to 4" (25 mm to 102 mm)	1/2" to 3" (13 mm to 76 mm)	1/2" to 2" (13 mm to 51 mm)	Featheredge to 2" (51 mm)	Featheredge to 2" (51 mm)
Working time (minutes @ 70° F)	15 (fluid)	30 (fluid)	30 (plastic)	20 to 30 ¹	5 to 10	30 to 45
Pumpable	■	■		■	■	■
Compressive Strength:						
Plastic (1 day / 28 days)	6,000 / 9,500	6,000 / 10,500	2,700 / 7,250	N/A	N/A	N/A
Flowable (1 day / 28 days)	5,500 / 8,500	5,500 / 10,000	N/A	N/A	N/A	N/A
Fluid (1 day / 28 days)	4,000 / 7,500	4,000 / 9,000	N/A	5,200 / 7,500	1,400 ² / 6,300 / 8,500	3,500 / 8,000

Note: Contact ProSpec® Technical Services for state DOT approvals. 1. Pumpable for 20 minutes. 2. At 45 minutes.

Concrete Repair

	Premium Patch 100 ¹	Premium Patch 200 ¹	Metro Mix 240 ¹	Metro Mix 240 AE ¹	Instant Hydraulic Cement
Features:					
Vertical / Horizontal / Overhead	H	H	H	H	V / H
Wearing surface	■	■	■	■	
Structural	■	■	■	■	
Freeze / Thaw	■	■		■	
Resists deicing salts	■				
Shrinkage compensating	■	■			■
Return to service	1 hr	1 hr	24 hrs	24 hrs	
Special Additives:					
Polymer-modified		■			
Corrosion inhibitor	■	■	■	■	
Fiber reinforced	■	■			
Placement:					
Thickness	1/2" to 8" ² (13 mm to 203 mm)	1/2" to 8" ² (13 mm to 203 mm)	>2" (51 mm)	≥1.5" (38 mm)	N/A
Working time (minutes @ 70° F)	15	15	60+	60+	1
Form / Pour	■	■	■	■	
Application	Trowel	Trowel	Pump, Trowel	Pump, Trowel	Trowel
Compressive Strength:					
24 hours (psi)	4,830	5,400	>2,000	>2,000	2,800
28 days (psi)	9,270	9,100	>6,000	>6,000	6,650 (7 day)

1. Suitable for DOT use. Contact ProSpec® Technical Service for state DOT approvals. 2. Must be extended with aggregate over 2".

Concrete Resurfacing & Rehabilitation

	Concrete Resurfer ¹	RubCrete ¹	BlendCrete ^{®1}	Vinyl Concrete Patch
Features:				
Vertical / Horizontal / Overhead	H	V / O	V / O	H
Wearing surface	■		■	■
Structural			■	■
Freeze / Thaw	■	■	■	■
Corrosion inhibitor	■		■	■
Coating resurface	■	■		
Return to service	8 hrs	N/A	3 hrs	8 to 12 hrs
Special Additives:				
Polymer-modified	■	■	■	■
Placement:				
Thickness	Up to 1/2" (13 mm)	Featheredge to 1/2" (13 mm)	1/4" to 2" ² (6 mm to 51 mm)	1/16" to 2" ³ (2 mm to 51 mm)
Working time (minutes @ 70° F)	20 - 30	25 - 35	15	20
Application	Trowel / Squeegee	Trowel / Brush / Rubber float	Trowel	Trowel
Compressive Strength:				
24 Hours (psi)	2,400	N/A	>4,000	>2,400
28 days (psi)	>5,000	3,500	>5,500	>5,500

1. Suitable for DOT use. Contact ProSpec[®] Technical Services for state DOT approvals.

2. Use ProSpec[®] B-730 Mortar / Acrylic Additive for thickness of 1/4" to 1/2" (6 mm to 13 mm).

3. Vinyl Concrete Patch, applications from 1/16" to 1/4" (2 mm to 6 mm) requires the replacement of 1 qt of water with 1 qt of ProSpec[®] B-730 Mortar / Acrylic Additive.

Primers & Bonding Agent

	Level Set [®] Primer	B-730 Mortar / Acrylic Additive
Features:		
Re-emulsifiable	Yes (once)	No
% Solids by weight	48	26
Fortifying cement additive		■
Bonding agent / Primer	■	
Bonds to concrete / Wood	■	■
Placement:		
Thickness (wet mils)	2 to 6	N/A
Working time (minutes @ 70° F)	20 - 30	N/A
Application	Brush	N/A

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