

Vertical & Overhead Repair Product Selection Matrix



Concrete Restoration & Repair											Resurfacing & Rehabilitation		
		Vinyl Concrete Patch	Premium Patch 100	Premium Patch 200	Magna 100	Metro Mix 240	Metro Mix 240 AE	VO Repair Mortar	Vertical Leveling Mortar	Instant Hydraulic Cement	RubCrete	BlendCrete	Concrete Resurfacer (CR)
DESCRIPTION		Single component, fast setting, polymer modified portland cement based product for concrete repair.	Fast setting, fiber reinforced, high strength cement based repair mortar designed for applications where high early strength gain is needed to reduce down time.	Fast setting, fiber reinforced, polymer modified high strength cement based repair mortar for applications where high early strength gain is needed to reduce down time.	Rapid setting, magnesium phosphate cement based concrete repair material suitable for use in extreme cold environments.	Super plasticized high performance (ready mix) concrete mix.	Air entrained super plasticized high performance (ready mix) concrete mix with corrosion inhibitor.	Single component, hydraulic cement mortar with corrosion inhibitor.	Single component, polymer modified high strength, rapid hardening, portland cement based, concrete repair material.	High speed, single component cement repair material formulated for stopping active water leaks.	Portland cement, polymer modified, one component resurfacer for filling and smoothing interior and exterior vertical concrete and masonry surfaces.	Single component, polymer modified, cement based concrete and masonry patching compound.	Polymer modified cement based resurfacer designed to make concrete look new again.
REPAIR TYPE		Horizontal, vertical	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Vertical, overhead	Vertical, overhead	Vertical, overhead	Vertical, overhead	Horizontal, vertical, overhead	Horizontal
FEATURES	Applicable standard(s)	ASTM C 387	ASTM C 928	ASTM C 928	ASTM C 928	ASTM C 387	ASTM C 387	n/a	ASTM C 387	n/a	n/a	n/a	n/a
	Rapid setting		•	•	•			•					•
	Wearing surface	•	•	•	•	•	•					•	•
	Structural	•	•	•	•	•	•		•			•	•
	Freeze/thaw		•	•	•							•	•
	Resists deicing salts	•							•				•
	Shrinkage compensating	•	•	•					•	•			•
	Corrosion inhibitor				•			•	•				•
Fiber reinforced		•	•									•	
REPAIRS	Airport runways		•	•	•								•
	Balconies/decks	•	•	•		•	•	•	•				•
	Bridge decks/parking structures	•	•	•	•	•	•	•				•	•
	Concrete beams/columns	•							•	•			
	Concrete pipes	•										•	
	Concrete walls	•							•	•	•	•	
	Curbs	•										•	•
	DOT repairs		•	•	•								•
	Driveways	•						•					•
	Foundations					•	•				•		
	Freezer rooms		•	•	•								
	Highway repairs/overlays		•	•	•	•	•						
	Industrial floors	•	•	•	•	•	•						•
	Loading docks	•	•	•	•								•
	Manholes				•				•	•	•		•
	Piers					•	•		•	•	•		•
	Poured in place, precast, tilt-up								•	•		•	•
	Ramps	•	•	•					•				•
Slabs	•	•	•	•	•	•					•	•	
Tunnels	•	•	•		•	•		•	•	•		•	
Walkways	•						•				•	•	
PLACEMENT	Thickness	Feather edge to 2"; extend to 6"	1/2" to 2"; extend to 8"	1/2" to 2"; extend to 8"	1/2" to 8"	>2"	>2"	1/8" to 2"	1/4" to 4"	n/a	Feather edge to 1/2"	1/2" to 2"	Feather edge to 1/2"
	Working time (@ 70° F)	20 minutes	15 minutes	15 minutes	6-8 minutes	30+ minutes	30+ minutes	5-10 minutes	6-8 minutes	1 to 3 minutes	30 minutes	15 minutes	20 to 30 minutes
	Application	Trowel	Trowel	Trowel	Trowel	Pump	Pump	Trowel, Spray	Trowel	Trowel	Trowel	Trowel	Trowel, Broom, Brush, Spray
	Return to service	8 to 12 hours	1 hour	1 hour	1 hour	24 hours	24 hours		3 hours	1 hour			2 hours* 8 hours**
COMPRESSIVE STRENGTH (psi)	24 hours	2,400	6,000	5,400	4,500	2,000	2,000	2,500	4,000	2,800	600	3,000	2,400
	28 days	5,500	10,000	9,100	6,500	6,000	6,000	5,000	8,000	6,650	3,500	5,000	5,000
LEED POINTS**	TOTAL ELIGIBLE LEED POINTS	3 points	3 points	3 points	3 points	3 points	3 points	3 points	3 points	3 points	4 points	3 points	3 points
	Recycled content (MR 4.1 & MR 4.2)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1 point	n/a	n/a
	Regional materials (MR 5.1 & MR 5.2)	2 points	2 points	2 points	2 points	2 points	2 points	2 points	2 points	2 points	2 points	2 points	2 points
	Low-emitting materials (EQ 4.1)	1 point	1 point	1 point	1 point	1 point	1 point	1 point	1 point	1 point	1 point	1 point	1 point

* Foot traffic
** Rubber wheel traffic