



EUCLID CHEMICAL

CONCRETE REPAIR MORTARS



VERTICAL SURFACES

CEMENTITIOUS FORM AND POUR/PUMP

Eucocrete ▲

Single-component, microsilica-modified, full-depth repair mortar that achieves high strength and has an extended working time for ease of placement.

Eucocrete Supreme ▲

Single-component, polymer modified, full-depth repair mortar with an extended working time and integral corrosion inhibitor.

Tamms Form and Pour ▲

Single-component, shrinkage compensated concrete repair mortar containing a corrosion inhibitor that incorporates smaller aggregate and can be placed at 3/4" to 3".

CEMENTITIOUS TROWELABLE

EucoRepair V100 ▲

Single-component, fast-setting, very low shrinkage repair mortar formulated with unique polymers and fiber reinforcement for trowel applied vertical/overhead repairs.

Eucopatch

Single-component, easy-to-use, fast setting patch and repair mortar recommended for use on new concrete and existing masonry surfaces.

Tammscrete

Single-component, polymer modified, cementitious finishing material used for achieving a smooth finish on precast, poured in place, tilt-up or other unfinished or damaged concrete surfaces.

Verticoat

Versatile, two-component, polymer modified cementitious mortar sets rapidly to allow quick, easy repairs.

For additional product information refer to the product technical data sheet.

*Technical results developed under laboratory conditions at approximately mid 70° F (21° C) range.

Verticoat Supreme ▲

Single-component, polymer modified, easy-to-use cement-based repair mortar formulated with a corrosion inhibitor, designed specifically for high performance vertical and overhead applications.

Speed Crete Red Line

Single-component, fast setting patching material may be "shaved" to desired shape and is designed to reach initial set in 8-10 minutes, final set within 20 minutes.

Speed Crete PM

Single-component, polymer modified repair mortar that contains a migratory corrosion inhibitor. This easy to use material can be applied from featheredge to 3" per lift.

Tamms Structural Mortar ▲

Single-component repair mortar with fiber reinforcement and a corrosion inhibitor designed for low pressure spray application or hand troweled concrete repairs.

SPRAYABLE

Eucoshot ▲

Single-component, silica fume modified, shotcrete repair product designed for application by dry shotcrete method (gunite) for interior or exterior repairs. More versions available. (see Mining and Tunneling section on www.euclidchemical.com for complete line of shotcrete products)

UNDERWATER

Speed Crete Blue Line

Single-component, fast setting, underwater cement-based patching material designed for use without forming at a non-slump consistency.

VERTICAL/OVERHEAD SURFACE

This symbol ▲ indicates product can contribute points toward the LEED certification of a building.

PLACEMENT CATEGORY	CEMENTITIOUS FORM AND POUR/PUMP			CEMENTITIOUS TROWELABLE							SPRAYABLE	UNDERWATER		
	Eucocrete ▲	Eucocrete Supreme ▲	Tamms Form and Pour ▲	EucoRepair V100 ▲	Eucopatch	Tammscrete	Verticoat	Verticoat Supreme ▲	Speed Crete Red Line	Speed Crete PM			Tamms Structural Mortar ▲	
PRODUCT NAME	Eucocrete ▲	Eucocrete Supreme ▲	Tamms Form and Pour ▲	EucoRepair V100 ▲	Eucopatch	Tammscrete	Verticoat	Verticoat Supreme ▲	Speed Crete Red Line	Speed Crete PM	Tamms Structural Mortar ▲	Eucoshot ▲	Speed Crete Blue Line	
PRODUCT CHARACTERISTICS	Microsilica Modified, Corrosion Inhibitor	Corrosion Inhibitor, Latex and Microsilica Modified	Corrosion Inhibitor, Latex and Microsilica Modified	Corrosion Inhibitor, Polymer Modified, Fiber Reinforced	Versatile, Color Similar to Plain Concrete	Polymer Modified, Smooth Consistency	Polymer Modified	Corrosion Inhibitor, Latex and Microsilica Modified	Fast Setting, Can be "Shaved" to Desired Shape	Corrosion inhibitor, Polymer modified	Fiber Reinforced, Corrosion Inhibitor, Trowelable	Silica Fume Modified	Underwater Patching Material, Rapid Set	
Number of Components	One	One	One	One	One	One	Two	One	One	One	One	One	One	
Extendable	Yes	Yes	Yes	Yes	No	Yes	No	No	Yes	No	No	No	No	
Yield, ft ³ (m ³)	Neat Extended	.37 (.0105) .46 (.0130)	.37 (.0105) .46 (.0130)	.42 (.0119) .62 (.0176)	.45 (.0127) .70 (.0198)	.44 (.0125) NA	.40 (.0113) .45 (.0127)	.48 (.0136) NA	.48 (.0136) NA	.50 (.0142) .70 (.0198)	.50 (.0142) NA	.45 (.0127) NA	.42 (.0119) NA	.50 (.0142) NA
Minimum Thickness, in. (mm)		1" (25.4)	1" (25.4)	3/4" (19)	1/8" (3.2)	1/16" (1.6)	Featheredge	1/8" (3.2)	1/4" (6)	1/8" (3.2)	Featheredge	3/8" (10)	1" (25.4)	3/4" (19)
Maximum Thickness in. (mm)	Neat Extended	6" (152) Full Depth	6" (152) Full Depth	3" (76) 6" (152)	4" (102) 6" (152)	4" (102) NA	1/8" (3) 1/4" (6)	4" (102) NA	2" (51) NA	2" (51) 4" (102)	3" (76) NA	2" (51) NA	6" (152) NA	3" (76) NA
Working Time, minutes*		150	120	60	15	6	20	20	30	5	10	30	180	2-3
Initial Set, hr:min*		3:00	6:00	2:10	:20	:08	:25	:25	1:00	:08 - :10	:15	1:00	3:40	:03 - :05
Final Set, hr:min*		4:00	7:00	3:50	:35	:20	:40	:40	2:30	:20	:40	2:00	4:40	:20
Temperature Limitations		> 45°F (7°C)	> 45°F (7°C)	> 40°F (4°C)	> 45°F (7°C)	> 45°F (7°C)	> 40°F (4°C)	> 45°F (7°C)	> 45°F (7°C)	> 35°F (2°C)	> 45°F (7°C)	> 40°F (4°C)	> 40°F (4°C)	> Freezing
Strength Gain PSI (MPa)														
4 Hour		5,000 (35)	4,700 (32)	3,000 (21)	2,000 (14)									
1 Day		8,800 (61)	7,250 (50)	6,500 (45)	3,000 (21)	2,000 (14)	3,000 (21)	4,000 (28)	2,000 (14)	2,550 (18)	2,500 (17)	3,200 (22)	3,500 (24)	3,200 (22)
7 Day		10,000 (69)	11,000 (76)	7,800 (54)	4,500 (31)	4,500 (31)	4,500 (31)	6,000 (41)	3,500 (24)	4,000 (28)	6,500 (45)	6,200 (43)	7,000 (48)	4,000 (28)
Final					6,000 (41)	6,500 (45)	6,500 (45)	6,500 (45)	5,500 (38)	5,700 (39)	7,000 (48)	8,500 (59)	9,500 (65)	6,015 (42)
Compatible with Galvanic Anodes	✓		✓	✓	✓	✓		✓		✓	✓	✓	✓	✓
Structural Repairs	✓	✓	✓	✓				✓		✓	✓	✓	✓	✓
Cosmetic Repairs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Marine Repairs								✓		✓	✓	✓	✓	✓

For more than 100 years, The Euclid Chemical Company has served as a leading supplier to the concrete and masonry industry with over 400 engineered concrete admixtures and construction products marketed under the EUCO, EUCON, Tamms, Dural, Speed Crete and Increte brand names. The Euclid Chemical Company's experienced field team is available to support you and your projects using solutions and products, which are manufactured under the stringent standards of our ISO 9001:2008 certified quality system.



EUCLID CHEMICAL

19215 Redwood Road
Cleveland, OH 44110
t 800-321-7628
f 216-481-7072

www.euclidchemical.com

B31 Concrete Repair Mortars Pocket Guide © 2015 The Euclid Chemical Company. This material is provided for informational purposes only. The Euclid Chemical Company expressly disclaims any liability relating to the use of this material. Nothing stated herein shall give rise to or constitute any warranty by The Euclid Chemical Company, express or implied, including but not limited to any implied warranty of merchantability or fitness for a particular purpose. The information provided in this material is not intended to be all inclusive, as the manner in which any product is used or handled may involve other or additional considerations that are not addressed herein.

