

Technical Data Product Information

CS 5000 CornerCrete™ MVT
Moisture Vapor Transmission Suppression Application

Description

CS 5000 CornerCrete MVT is a low odor, self leveling system. This system is ideal for application to concrete to control moisture vapor emissions. CS 5000 CornerCrete MVT can be applied with a notched trowel/squeegee, screed rake or pin rake @ 1/8" thickness.

Colors

Available in standard CornerStone color Gray.

Limitations

- Do not apply to wet surfaces (no visible water)
- Where floor temperatures are below 50°F or above 80°F during application contact CornerStone's Technical Department.
- On a structurally unsound substrate.
- Keep materials at room temperature prior to application (this product is a freezable liquid).
- Surface must be properly cleaned and prepared prior to application.

Installation Procedures

SUBSTRATE PREPARATION

Prepare substrate by shot blasting, scarification or other mechanical means until an appropriate profile is evident (minimum CSP5 medium shotblasting). Remove all excess dust, curing agents and contaminants. Surface must be free of oils, water and chemicals.

ADVANTAGES
• Withstands Moisture Vapor Transmission
• Low Odor, Water Based
• Low Temperature Cure
• Excellent Compressive Strength
• Moisture Vapor Remediation
• Repairs and Helps Level Deteriorated Concrete

CS 5000 CORNERCRETE MVT APPLICATION @ 1/8"

1. The CornerCrete™ slurry matrix liquid components 1 & 2 are to be combined sequentially in a rotating mixer for about 1 minute– the inert mineral based part 3 powders are then added and further blended to achieve a fully homogenized "mortar" consistency .
2. Spread material with CornerStone recommended notched squeegee, screed rake or pin rake @ 1/8".
3. Broadcast 30 mesh aggregate to rejection.

Cure Schedule

At an ambient temperature above 72°F, CS 5000 CornerCrete MVT can support foot traffic within 2-4 hours.

Maintenance

Regular cleaning and maintenance will prolong the life of all polymer flooring systems and enhance their appearance.

Safety

Avoid personal exposure. Refer to MSDS for additional safety information.

APPLICATION	COMPONENTS	MIX RATIO
Slurry Matrix	CornerCrete™ MVT	Per Label
Aggregate	30 Mesh	Broadcast approx. .25 lb per sq. ft.

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Test Data

PROPERTIES	TYPICAL RESULTS	TEST METHOD
Compressive Strength	7,000 psi	ASTM C-579
Tensile Strength	930 psi	ASTM C-307
Flexural Strength	3,600 psi	ASTM C-580
Bond Strength	> 400 psi (100% concrete failure)	ASTM D-4541
Adhesive Strength	Concrete failed cohesively	ASTM C-321/C-478
Density	2.5 lbs./s.f.	n/a
Flexural Modulus of Elasticity	1.8X10 ⁵	ASTM C-580
Shrinkage	0.20%	ASTM C-531
Flammability	Self Extinguishing	
Thermal Coefficient of Linear Expansion	6.12x10 ⁻⁶ /°F	ASTM C-531
Heat Resistance Limitation	140 °F to 250 °F	
Absorption	0.1%	ASTM C-531



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