Technical Data Product Information

CS 5000 CornerCreteM Slurry MVT
Moisture Vapor Transmission Suppression Application

Description

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

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

Colors

Available in standard Corner*stone* color Gray.

Limitations

- Do not apply to wet surfaces (no visible water)
- Where floor temperatures are below 60°F or above 85°F during application contact Corner*stone*'s Technical Department.
- On a structurally unsound substrate.
- 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.

CS 5000 CORNERCRETE MVT APPLICATION @ 1/8"

1. The CornerCreteM 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 Corner*stone* recommended notched squeegee, screed rake, pin rake on floors or notched trowel for walls @ 1/8".
3. Broadcast 30 mesh aggregate to rejection.

Cure Schedule

At an ambient temperature above 72°F, CS 5000 CornerCrete Slurry 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	CornerCreteM Slurry MVT	Per Label
Aggregate	30 Mesh	Broadcast approx. .25 lb per sq. ft.

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	1.8X105	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