MASTER TERRAZZO TECHNOLOGIES

PRODUCT DATA
MCT 3200

Novolac Epoxy, Corrosine, Chemical and Heat Resistant

DESCRIPTION

Morricite MCT #3200 Epoxy Novolac, is a 100% solids, solventless, high-build, two-part epoxy coating. It is designed to protect concrete, steel and other materials from highly corrosive chemicals. It is a chemical resistant and high temperature resistant epoxy. It can be used as a coating or combined with Color Quartz Aggregate. It provides a decorative and skid resistant surface. It enhances the appearance of the floor substrate while making the surface easy to clean.

Morricite MCT #3200 Epoxy Novolac is designed to be installed indoors in commercial, industrial and institutional environments where a long lasting, chemical and heat resistant floor is desired.

ADVANTAGES

- Coating / clear or pigments
- Slurry / broadcast
- Mortar
- Resistant to chemical attack and etching
- Heat resistant exposure continuous @200 ºF intermittent @300 ºF

TYPICAL PHYSICAL PROPERTIES

	@ 75º F (23º C)	
Mix Ratio A : B:	2 : 1 by volume	
Solid Content:	100 %	
VOC (Volatile Organic Content):	- 0 -	
Pot Life:	15 – 20 minutes	
Dry to Touch:	3 – 4 hours	
Hardness:	ASTM D2240 (Shore D)	75 – 85
Tensile Strength:	ASTM D638	6,000 psi
Compressive Strength:	ASTM D65	15,000 psi
Compressive Strength:	ASTM C579	10,500 psi
Bond Strength:	ASTM D4541	> 400 psi
Impact Strength:	MIL D3134	pass, no chipping, cracking, delaminating
Flexural Strength:	ASTM D790	4,500 psi
Flammability:	ASTM D635	self-extinguishing

CHEMICAL RESISTANCE

Chemical Resistance:	Immersion 7 days
ASTM D 1308	(See MTT Chemical Resistance Guide)

SURFACE PREPARATION

The substrate must be clean (free of dirt, dust, paint, grease, oil, rust and other contaminates), sound and durable. New concrete must be fully cured (28 days minimum) and all laitance and curing compounds removed. Suitable preparation methods include grit blasting and scarification. The recommended minimum pull-off strength of the prepared substrate is 200 psi.

SOUND and DURABLE CONCRETE

Sound and durable concrete should be crack free and have a cap pull-off strength of 180 psi per ACI503 R.

CRACKED CONCRETE

Repair cracked concrete with Morricite Structural Epoxy Injection Adhesive or Morricite Non-Sag Epoxy Paste Adhesive per the manufacturer's recommendations.

NOTE: PRIMER recommended on concrete to avoid "out-gassing" (air bubbles) related problems associated with porous concrete.

SAFETY

For industrial and professional use **ONLY.**
For detailed safety guidelines, please refer to the Safety Data Sheet (SDS)

WARRANTY INFORMATION

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