



MasterTrac Epoxy Coating

DESCRIPTION

Morricite MasterTrac 300 Epoxy Coating is a multi-purpose, 100% solids, epoxy binder, room temperature cure, high-build, two-part epoxy coating. It is designed to protect concrete, steel and other materials against most corrosive chemicals. It is used as a coating or, when combined with color quartz aggregate, it provides a decorative and skid resistant surface. It enhances the appearance of the floor while making the surface easy to clean.

MasterTrac 300 is engineered to be used as a three component skid resistant coating with special added aluminum oxide aggregate. The three components are mixed together and troweled or squeegeed in place and back rolled.

This product is available in five different skid resistance profiles ranging from very coarse to very fine. Selection of best profile to be used depends upon the degree of skid resistance, cleaning characteristics and the finished appearance desired.

This system is designed to be used indoors in commercial, industrial and institutional environments where a UV light stable, clear, chemical resistant, seal-coat is desired.

TYPICAL USES

Skid resistant surfaces are intended to provide a degree of skid resistance consistent with the intended end use, ranging from dry to wet environments for commercial, industrial and institutional use. It is used in manufacturing operations, stairs, ramps, and walkways-both exterior and interior. The material can be applied over new or existing concrete, ceramic tiles, metal surfaces or Morricite composite floors.

ADVANTAGES

- Mixes easily – 2 (two) parts A and 1 (one) part B
- Resistant to UV degradation
- Coatings / clear or pigmented
- Resistant to chemical attack and etching
- Quick installation
- Durable and long lasting
- Resistant to Algae, Fungi, Mildew & Mold
(Does not promote bacterial growth)

TYPICAL PHYSICAL PROPERTIES

@ 75° F (23° C)

Color: Clear or Pigmented
 Mix Ratio A: B: 2 to 1 by volume

Pot Life (minutes)

@ 150 grams 38-40

@ 1 gallon mass 26

Cure Time (hours) @10 mils (250 microns)

Dry to Touch 10-12

To Recoat 12-20

Final Cure (days) 7

Hardness, (Shore D):	ASTM 2240	75-80
Tensile Strength, psi:	ASTM D638	6,000 psi
Tensile Elongation, %:	ASTM D638	2 – 5
Compression Strength :	ASTM D695	11,000 psi
Flexural Strength:	ASTM D790	5,000 psi
Bond Strength:	ASTM D4541	> 400 psi
Impact Strength, passing:	MIL D3134	no chipping or delaminating
Shelf Life:	2 years minimum in unopened container (stored between 50 °F to 90 °F)	

SURFACE PREPARATION

The substrate must be clean (free of dirt, dust, paint, grease, oil, rust and other contaminants), 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 ACI 503 R.

CRACKED CONCRETE

Repair cracked concrete with Morriscite Structural Epoxy Injection a Adhesive or Morriscite 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 product Safety Data Sheet (SDS)

WARRANTY INFORMATION

Values stated herein are typical values based on periodic testing and product experience. MTT DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THOSE OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. Where customer demonstrates non-conformance of product to typical values stated herein, MTT will, supply replacement product or, at its discretion, credit customer's account for the purchase price of non-conforming product. Recommendations herein as to the surface preparation, application, maintenance, and other matters involving storage, handling, or use of product are based on the best information available. Because MTT has no control over such matters, or over substrate or other conditions that may affect ultimate performance, customer has the obligation to determine suitability of product for the intended purpose. MTT SHALL HAVE NO RESPONSIBILITY FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, EXEMPLARY OR PUNITIVE DAMAGES BUT ONLY FOR THE REPLACEMENT OR CREDIT MENTIONED ABOVE. All claims for replacement or credit must be made within one year from date of shipment. The sale and purchase of product from MTT are subject in each case to MTT's terms and conditions of purchase.

Morricite MasterTrac

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PRODUCT DATA

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