



## **Morricite Novolac Epoxy Binder**

### **DESCRIPTION**

**Morricite MCT 3100** is a 100% solids, Novolac epoxy binder, room temperature cure, rigid system. It is designed to protect concrete, steel and other materials from highly corrosive chemicals.

### **ADVANTAGES**

- Outstanding resistance to most organic and inorganic acids, alkalis, and other corrosives.
- Unaffected by the presence of moisture during cure.
- Provides an attractive high gloss finish.

### **TYPICAL USES**

- Good troweling properties when used as a mortar system.
- Coating concrete, wood, metal and many rigid plastics where protection from strong chemicals is required.
- In manufacturing facilities using strong chemical corrosives, such as:
  - chemical plants
  - dairies
  - breweries
  - canneries
  - slaughterhouses
  - plating rooms
  - paper pulp plants
  - machinery cleaning rooms.

### **TYPICAL PHYSICAL PROPERTIES @ 75° F (23° C)**

Mix Ratio A : B:	2 : 1 by volume
Solid Content:	100 %
VOC (Volatile Organic Content):	- 0 -
Pot Life:	40 – 45 minutes
Dry to Touch:	7 – 8 hours
Hardness:	ASTM D 2240 (Shore D) 70 - 80
Compressive Strength:	ASTM D 695 10,000 psi
Adhesion:	ACI 503R 100% Concrete failure

## **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 503R.

## **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**

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.

---

**Master Terrazzo Technologies** / PO Box 226 / Bristol, PA 19007  
8000 Bristol Pike / Levittown, PA 19057 / [www.masterterrazzo.com](http://www.masterterrazzo.com)  
215.949.1474 / Fax 215.949.9422 / Email:[office@masterterrazzo.com](mailto:office@masterterrazzo.com)

