



INTRODUCING **NEW** TROXYMITE III EPOXY RESURFACER

NEW AND IMPROVED!

- **DURABLE AND EASY TO APPLY**
- **ABRASION RESISTANT**
- **ADHERES TO MULTIPLE SURFACES**
- **NO OFFENSIVE ODOR**
- **ECONOMICAL**
- **RESISTANT TO COLOR CHANGE**

Like our original Troxymite, **Troxymite III** can be used to resurface and repair concrete, metal, and wood.

Troxymite III derives its name from its 3 parts: a mix of sandy aggregate, the epoxy resin, and the epoxy curing agent. All three parts are included in each kit but are separated so that the user mixes all 3 parts together at the time of application. It is amazingly easy to use. Simply mix all three parts together thoroughly and its ready!

You'll like NEW Troxymite III. It is far superior to any floor repair material on the market.

Durable

TROXYMITE III is designed to actually strengthen the surface to which it is applied. Tests have shown that it is **FIVE TIMES STRONGER THAN CONCRETE**. The product is highly resistant to solvents, alkalis, salts and most acids, making it the ideal protective topping where spillage of such industrial products occur.

Abrasion Resistant

TROXYMITE III is difficult to grind away. An example of its resistance to abrasion is in the grain storage industry. Grain Elevator Companies have saved hundreds of thousands of dollars in replacement costs by applying TROXYMITE III in critical high-abrasion areas of their operations such as the interior of elbows of metal grain chutes. TROXYMITE III is recommended for any rigid surface which must withstand highly abrasive contact.



Five times stronger than concrete, TROXYMITE III withstands the test!

Adheres To Multiple Surfaces

TROXYMITE III gives excellent adhesion on non-vibrating surfaces of wood, masonry, concrete, ferrous metals, most non-ferrous metals, and painted surfaces when the paint is securely bonded to the surface.

Curing

A TROXYMITE III surface is ready for traffic within 24 hours of application! A maintenance crew can lay down a new floor of TROXYMITE III over the weekend and it will be ready for "business as usual" on Monday morning.

Economical

TROXYMITE III is priced competitively with most other resurfacing and patching compounds, but due to its unique characteristics, TROXYMITE III is in a class by itself. You get more for your money in strength, non-shrinking, safety, wear and chemical resistance with TROXYMITE III.

Easy To Use

By following 3 basic steps – Preparing the surface, thoroughly mixing, and proper application – any novice can use Troxymite III successfully.

Tip: If a smaller portion of Troxymite III is needed for a small repair, dividing a kit of Troxymite III can easily be done by carefully making sure each part is divided equally.

Physical Properties of TROXYMITE III Compared to Concrete

TEST — COMPRESSIVE STRENGTH:
TROXYMITE III - 13,500 lbs. per sq. in. (7 days)
Concrete - 3,730 lbs. per sq. in.

TEST — TENSILE:
TROXYMITE III - 2,900 lbs. per sq. in. (7 days)
Concrete - 370 lbs. per sq. in.

TEST — IMPACT STRENGTH:
TROXYMITE III - 14 ft. lbs. for ¼" layers on concrete
Concrete - 10 ft. lbs. for 2" layer

Texture

FINE:

Product Code #3112

Cures to a smooth finish, the color of concrete. Slightly stiffer than Coarse Grain. Especially good for patching.

If putting this on new concrete, let the new concrete cure 30 days to 6 weeks. Wash the dust off and maybe do an acid wash to open up the surface.

Rate Of Coverage

The coverage of TROXYMITE III depends on the thickness of application and the condition of the floor. Under normal circumstances one gallon of TROXYMITE III covers:

5 square feet at ¼" thickness

10 square feet at ½" thickness

A pitted floor will require more TROXYMITE III. Regardless of the size of the indentations, it takes additional TROXYMITE III to fill these spaces.

SPECIFICATIONS FOR TROXYMITE III

TROXYMITE III is an epoxy resin based, rapid curing, resurfacing material containing small mineral aggregate granules. It is a three component system - - containing a modified liquid amido-amine curing agent, the other a blend of aggregate, a third contains this and epoxy resin. When mixed for use, TROXYMITE III is of troweling consistency.

PERCENTAGE COMPOSITION:

	WITHOUT CURING AGENT	WITH CURING AGENT
Mineral Aggregate	86.5 - 87.5	82.8 - 83.8
Epoxy Resin	12.5 - 13.5	12.0 - 13.0
Curing Agent		3.7 - 4.7

LIFE OF MIXTURE: TROXYMITE III is an exothermic setting compound designed to harden quickly. A thoroughly mixed unit of TROXYMITE III at 75° F. has a "pot life" (usable application life) of one hour after mixing. The "pot life" increases at lower temperatures and also by spreading out in thin layers. After application in a thin layer, TROXYMITE III may be worked and surface finished for periods up to 1½ hours from the time of mixing.

CURING TIME: Atmospheric conditions and room temperature play an important part in curing time. Warm air, 70° F. or above, provides reasonable curing times. Under such conditions, TROXYMITE III cures sufficiently for light walking traffic within 12 hours. Complete curing (for maximum chemical resistance) can be expected in seven days. The curing time can be reduced at higher temperatures. TROXYMITE III SHOULD NOT BE APPLIED AT TEMPERATURES BELOW 60° F. AS CURING IS VERY SLOW AT LOW TEMPERATURES.

EPOXY RESIN: The epoxy resin is one of a group of epoxy resins derived from the reaction of bisphenol-A and epichlorohydrin. It shall conform to the following specifications:

Epoxy Equivalent Weight	185 - 196
Viscosity (cps at 25° C.)	12,000 - 16,000
Color, Maximum (Gardner)	3
Specific Gravity (25/25)	1.16
Weight (lbs./gal.)	9.7
Flash Point, COC., Min.	480° F.

CURING AGENT: The specifications for the modified liquid amido-amine curing agent are:

Equivalent Weight (approx.)	65
Viscosity (cps at 25° C.)	500 - 900
Flash Point, COC.	300° F.
Specific Gravity	0.98
Weight (lbs./gal.)	8.2

APPLICATION: See separate Instruction Sheet for details of surface preparation and application.

NOTE: Always be sure to stir aggregate well before adding curing agent.

Handling Information: For safe handling of the product, read the Safety Data Sheet (SDS).

RESISTANCE PROPERTIES OF TROXYMITE III

SOLVENT RESISTANCE:

Alcohols	Excellent
Gasoline	Excellent
Hydrocarbons	
Aliphatic	Excellent
Aromatic	Excellent
Esters, Ketones	Good
Chlorinated	Poor
Oils and Greases	Excellent

ALKALI RESISTANCE:

(All Concentrations)	
Sodium	Excellent
Potassium	Excellent
Calcium	Excellent
Ammonium	Fair

ALKALINE SALTS: (All) Excellent

ALKALINE VAPORS: (All) Excellent

VEGETABLE ACIDS: Excellent

ANIMAL ACIDS: Excellent
(Except Lactic Acid) Poor

ORGANIC ACIDS:

Acetic	Good to 10%
Formic	Fair to 40%

EXTERIOR DURABILITY:

Salt Spray Weathering Excellent

WATER RESISTANCE:

Salt and Fresh Excellent

MINERAL ACIDS:

Hydrochloric	Excellent
Hydrobromic	Excellent to 10%
Hydrofluoric	Good to 30%
Phosphoric	Good to 30%

ACIDS, SALTS:

Chlorides	Excellent
Sulphates	Excellent
Nitrates	Excellent

OXIDIZING ACIDS:

Nitric	Good to 10%
Sulfuric	Fair to 30%
Phosphoric	Fair to 30%

ACID VAPORS: Excellent



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