



TROXYMITE EPOXY RESURFACER

USER BENEFITS:

- DURABLE
- ABRASION RESISTANT
- ADHERES TO MULTIPLE SURFACES
- QUICK CURING
- ECONOMICAL
- EASY TO APPLY

TROXYMITE is an epoxy resin based, concrete-like material for fast, easy, economical resurfacing and patching of wood, concrete, metal and other surfaces. It may be used indoors or out on a rigid non-vibrating surface.

TROXYMITE Is Durable

TROXYMITE's unique formulation is designed to actually strengthen the surface to which it is applied. Tests have shown that TROXYMITE 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.

TROXYMITE Is Abrasion Resistant

TROXYMITE 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 in critical high-abrasion areas of their operations such as the interior of elbows of metal grain chutes. TROXYMITE is recommended for any rigid surface which must withstand highly abrasive contact.



Five times stronger than concrete, TROXYMITE withstands the test!

TROXYMITE Adheres To Multiple Surfaces

The epoxy resin in TROXYMITE is one of the most adhesive substances known. TROXYMITE 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.

TROXYMITE Is Quick Curing

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

TROXYMITE Is Economical

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

TROXYMITE Is Easy To Apply

By following the three basic steps - - - preparing the surface, mixing procedures and method of application found in the instruction sheet - - - TROXYMITE can be applied successfully with unskilled help.

Physical Properties of TROXYMITE Compared to Concrete

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

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

TEST — IMPACT STRENGTH:
TROXYMITE - 14 ft. lbs. for 1/4" layers on concrete
Concrete - 10 ft. lbs. for 2" layer

Texture

FINE:

Product Code #3111

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

5 square feet at 1/4" thickness

10 square feet at 1/8" thickness

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

SPECIFICATIONS

FOR TROXYMITE

TROXYMITE is an epoxy resin based, rapid curing, resurfacing material containing small mineral aggregate granules. It is a two component system - one containing a modified liquid amido-amine curing agent, the other a blend of aggregate, pigment and epoxy resin. When mixed for use, TROXYMITE 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
Pigments	0.02 - 0.08	0.03 - 0.09

LIFE OF MIXTURE: TROXYMITE is an exothermic setting compound designed to harden quickly. A thoroughly mixed unit of TROXYMITE 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 may be worked and surface finished for periods up to 1 1/2 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 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 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.

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

Tele: (817) 332-1161
Toll Free: 1-800-827-0711
FAX: (817) 332-1366
Toll Free Fax: 1-877-540-7464
Web: www.texasrefinery.com

RESISTANCE PROPERTIES OF TROXYMITE

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

Protective Coatings Division

TEXAS REFINERY CORP.

Fort Worth, Texas
Toronto, Ontario • Moose Jaw, Saskatchewan

PRINTED IN U.S.A. 3/2014
P203111