



EpoxySystems'™ Product #410

Traffic Bearing Membrane System

DESCRIPTION

EpoxySystems' Product #410 Traffic Bearing Membrane System is a tough, resilient system with excellent elongation. It is applied as a 3-step system - consisting of a primer, traffic bearing membrane - 2 coats, and sealer. The EpoxySystems' Product #410 Traffic Bearing Membrane System cures at ambient temperatures and is impermeable to moisture, oils, mild acids, gasoline, and alkalies.

ADVANTAGES

- Can be applied to concrete, steel or wood substrates.
- Protects concrete surfaces from deterioration caused by wet/dry and freeze/thaw cycles.
- Protects steel surfaces from corrosion.
- Exhibits excellent shear and tear strength.
- Cures quickly to reduce down time.
- Will withstand temperature extremes from -20degrees F. to +180 Degrees F.

PHYSICAL PROPERTIES of Product #410 Traffic Bearing Membrane

Pot Life @72 Degrees F.	45 min. - 1 gal. mixed material
Cure Time @72 Degrees F.	24 hrs. foot traffic
Hardness - Shore A (ASTM D 2240)	80 ± 7 days cure
Tensile Strength	7 days 750 psi 14 days 1000 psi ± 50
Elongation	14 days 300% minimum ± 20
Pull-Off Test (ASTM D 4541 - 85)	Failure in concrete Substrate 850 psi ±100
Viscosity @72 Degrees F.	3500 ±500 cps

SURFACE PREPARATION

On Steel - Prepare in accordance with Steel Structures Painting Council Surface **Preparation SSPC-SP10 near-white metal blast cleaning**. All work blasted should **be coated the same day**.

On Concrete- Concrete surfaces should be abrasive cleaned to remove dirt, curing compounds, existing coatings or laitance to provide a clean sound bonding surface.

MIXING & APPLICATION

Steel: EpoxySystems' Product #1200 Steel Primer - Zinc Rich Primer to primed steel. Use in accordance with the Zinc Rich Primer data sheet.

Concrete: Epoxy Systems' Product #411 Concrete Primer- Stir single component material in container just prior to application.

Membrane: Epoxy Systems' Product #410 Traffic Bearing Membrane Mixing- Stir B Component before combining with A Component. Mix material to the proper ratio, 1A to 1B with a mixing paddle and slow speed drill for a minimum of 3 minutes until thoroughly mixed. Avoid

entrapping air while mixing.

Application

Primer: Apply Epoxy Systems' Product #411 primer to the properly prepared dry concrete surfaces by brush, roller, or spray at a rate of 200 sq. ft. per gallon. Allow to cure a minimum of 2 hours and a maximum of 12 hours before applying membrane.

Membrane: Apply first coat of Epoxy Systems' Product #410 by roller or brush at a rate of 50 sq. ft. per gallon. Film thickness approximately 30 mils wet and dry. Wait a minimum of 16 hours or a maximum of 5 days before applying second coat of Epoxy Systems' Product #410 Traffic Bearing Membrane. Apply second coat of Epoxy Systems' Product #410 at a rate of 50 sq. ft. per gallon and immediately, while second coat is wet, broadcast Epoxy Systems' Special Sand at a rate of approximately 1 pound per sq/ft. Wait a minimum of 16 hours at 70 degrees F and remove excess Special Sand.

Top Coating: Apply Epoxy Systems' Product #412 Urethane Coating over Epoxy Systems' Product #410 Traffic Bearing Membrane to complete the system. Mix and apply in accordance with Epoxy Systems' Product #412 data sheet.

Clean Up

Wash equipment and tools, immediately after use (and before coating cures) with **Epoxy Systems' Tool & Equipment Cleaner**.

LIMITATIONS

Do not thin Epoxy Systems' Product #410 Traffic Bearing Membrane as thinning may result in loss of adhesion of cured material and promote rapid deterioration of protective properties.

NOTE: Do not apply Epoxy Systems' Product #411 Primer or Epoxy Systems' Product #410 Membrane on wet surfaces or below **50 degrees F**. Lower temperatures will prolong curing considerably.

PACKAGING:

2 Gallon and 10 Gallon units; 110 Gallon units (Special Order - Non Returnable)

STORAGE:

Epoxy Systems' Product #410 should be stored in a dry area between 65 degrees F and 90 Degrees F.

CAUTION:

Contains organic isocyanates. Avoid contact with skin and eyes. Do not ingest. Keep away from foodstuffs and wash thoroughly before smoking or eating. Should skin contact occur, wash skin well with soap and water. Should eye contact occur, flush thoroughly for at least 15 minutes with water. Get medical attention. **FOR INDUSTRIAL USE ONLY! KEEP AWAY FROM CHILDREN**

For more information about this product or any other Epoxy Systems'™ product, please contact:

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Warranty: We warrant our materials to be of good quality and will replace any material proved defective. We believe that the technical

information provided is reliable and that materials will perform to your satisfaction. However, we cannot guarantee final results because of the many possible variations in field conditions and application procedures. 08/00