

4553® Epoxy Coating RK
Corrosion Protection for Sewer Manholes



Application Instructions

GENERAL DESCRIPTION:

The Epoxy Coating Repair Kit is a solvent free blend of Cycloaliphatic Amines and Polyamines components. These epoxy resin based coating materials are specially formulated for repairing existing epoxy coating systems and making new coating applications in sewerage manhole structures, and maintenance repairs to damp concrete and masonry brick surfaces, pipelines, and other surfaces exposed to acidic conditions. The epoxy coating components come ready to use in two separate pre-measured containers. Each container is marked according to its contents.

COLOR:

Part A – Resin; Thick white paste.
Part B – Catalyst; Thick black paste.

COVERAGE: 20 ft²/gallon at 80 mils

DRY FILM THICKNESS:

Steel: +20.0 mils in one coat
Concrete: +60.0 mils in one coat

MIX RATIO: 2:1

Pre-measure 2-parts Resin to 1-part Catalyst before mixing them together.

First mix the separate components in their original containers and then combine the components together using a separate container or mix bucket.

While continuously mixing the resin base component, slowly pour in the catalyst and mix for at least 3-5 minutes using a mechanical mixer.

Clean the mixing equipment and tools using MEK solvent solution.

PACKAGING:

Available in 15-gallon kits; 10-gallons of Resin and 5-gallons of Catalyst.
Also Available in 1.5-Gallon Kits

STORAGE:

Store containers under dry conditions. No modification or changes should be made to this product for handling, mixing, placement and finishing of this material.

SURFACE TEMPERATURES:

40°F Minimum. Maximum 120°F. Surface temperature should be at least 5°F above the dew point.

POT LIFE:

The pot life is approximately 60 minutes at 70°F in 1-gallon batches. Higher temperatures and larger quantities will shorten its pot life.

This product requires no induction time.

RECOAT WINDOW:

Starts when its Tack-Free, approximately 2-4 hours after application depending on ambient conditions and up to 12 hours after application.

CURING

Protect and cure the epoxy coating for a minimum of 4 to 8 hours after installation.

Keep all pipe penetrations plugged and avoid direct contact with water during this time to prevent damaging the uncured epoxy coating.

Allow the epoxy coating to cure for 8 to 24 hours before being subjected to active flow or force main conditions.

Final Cure is 10 days.

Brush Applications:

Brush application may be used to coat the substrate surface and stripe coating of welded seams. Use a good quality, short hair bristle brush (or natural brush) to achieve proper thickness of the material.

Roller Applications:

Use a good quality 3/8 - 1/2 inch long synthetic nap roller cover.

SURFACE PREPARATION:

Immersion Service: SSPC SP-10 Near white blast clean (NACE 2). Hand or power tool clean.

Non-Immersion Service: SSPC SP-6 Commercial blast clean (NACE 3).

Steel Service: SSPC SP-2, SP-3 Hand or power tool clean.

Moderate Service: SSPC SP-6 Commercial blast clean.

Corrosive Service: SSPC SP-10, SP-5 Near white or white metal blast clean.

Concrete Service: Abrasive blast, power tool clean new or old concrete surface down to sound concrete. Blow off damp surfaces with clean dry air prior to applying the epoxy coating.

Contact Standard Cement Materials for technical assistance.

SAFETY

This material may cause skin and eye irritation. Avoid prolonged contact and breathing of vapor and mist. Material should not come in contact with organs of the body. If swallowed, do not induce vomiting and call a Physician immediately. In case of eye contact, flood with water and see a doctor. Keep away from heat and open flame. Close container after use.

Warranty Information

Standard Cement Materials, Inc offers this information for the user's consideration. The corporation warrants this product to be free from defects in material and workmanship. We fully guarantee the uniformity of this product within the manufacturers specific tolerance. The manufacturer offers this material only upon the condition that each party shall make his own tests to determine its suitability for a particular purpose. The manufacturer's sole obligation and the Buyer's single remedy in connection with this product purchase shall be limited, at it's option, to either replacement of the product not conforming to this warranty or credit to the Buyer's account in the amount of the

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