

**Product Description-** the **Standard 4553™ Epoxy Coating Repair Kit** is a 100% solids, mastic like, two-component epoxy resin based coating. The 4553™ Repair Kit is designed specifically as a protective corrosion barrier coating for controlling the deterioration of concrete manholes, pipes, lift stations wet wells and other sewerage works, and in secondary containment applications. It is provided in an easy-to-use container, factory measured in two packages and packaged for mixing to make repairs in field applications. The moisture tolerant 4553™ Epoxy Coating gives excellent adhesion to brick, concrete surfaces and steel components.

**Uses-** the 4553™ Epoxy Coating Repair Kit provides greater resistance to sulfuric acid, sodium hydroxide, detergent, bleach, diesel fuel and gasoline. Additionally, the low viscosity, 100% solids 4530™ epoxy penetrating concrete primer is recommended to block off and reduce pin-hole formations and increase adhesion strength.

**Ideal for Applications In-**

- Manholes
- Concrete Pipes
- Sewer Pipe Coatings
- Concrete Bases in Fiberglas Manholes
- Secondary Containment

**Advantages-**

- Good Chemical Resistance
- Superior Wear and Impact Resistance
- High Build Membrane

**Physical Properties-**

Typical Cured Film Properties	Test Method	Typical Value
Solids Content		100%
Adhesion to Concrete	ASTM D4541	Concrete failed
Gel Time-Tack Free	Dependant on ambient temperature	6-7 Hours
Working Time	Dependent on ambient temperature	45 minutes (2 ½ gallon)

**Limitations-** Do not use when ambient working or operating temperatures in contact with the installed lining system exceeds 49°C (120° F).

**Coverage Rates-**

Theoretical Square Feet Per Gallon

Mils	10	15	50	60	80	100	125
	160	107	32	27	20	16	13

Note: 1604 mil inches per gallon. Totally dependent on substrate texture and condition.

**Packaging-**

- ½-Gallon Kit: 1 liter of Component A, 1 liter of Component B in a 1 gallon pail.
- 2-Gallon Kit: 1.75 gallons of Component A, 1.25 gallons of Component B in a 5 gallon pail.

**Mixing-** Carefully open each factory measured package and add to mixing container. Mix the separate contents of A and B using a Jiffy type mixer until a uniform color is achieved.

**Shelf Life-** One year, in original, unopened factory containers, under normal storage conditions of 13°C (55°F) to 35°C (95°F). Protect from freezing.

**Clean Up-** the cured product may be disposed of without restriction. Excess liquid Component A and Component B material should be mixed together and allowed to cure, then disposed of in the normal manner. Product containers that are "drip free" may be disposed of according to local, state and federal laws.

**Safety-** Read Material Safety Data Sheets provided with all shipments. Additional copies are available upon request from Standard Cement Materials Inc, or your local dealer.

Basic safety for personal protection is:

- Long-sleeve overalls or disposable Tyvek overalls.
- Rubber gloves.
- Splash shield or safety glasses with splash guards.
- Rubber or leather boots.
- Do not use near high heat or open flame.
- Do not take internally.
- Keep out of the reach of children.

**ASTM D-1308 Chemical Resistance Chart**

<b>24 Hour Immersion:</b>			
Coffee	no effect	Transmission Fluid	no effect
Vegetable Oil	no effect	Skydrol	no effect
Mustard	no effect	Mineral Spirits	no effect
Whiskey	no effect	10% Hydrochloric Acid	no effect
Urine	no effect	10% Sulfuric Acid	no effect
Gasoline	no effect	10% Acetic Acid	no effect
Motor Oil	no effect	MEK	film destroyed
Brake Fluid	no effect	Xylene	slight softening, film recovers

**Preparation and Installation-** Surface must be clean and free from contamination. Concrete surfaces must be prepared according to NACE Standard RP0892-92. All surfaces must be free from dust, moisture, oils and contaminates. Concrete must be a minimum of 28 days old. Concrete surfaces must be primed with 4530™ or 4531™ according to the manufactures instructions and application specifications. Please contact Standard Cement Materials Inc for details.

Application may be made either with a stiff paste brush or steel trowel to a thickness of 65 mils. Work the Standard 4553™ Epoxy Coating into the surface by applying and finishing in a cross-hatch pattern.

Non-Skid Coating: To provide a textured finish or a non-skid surface, apply a base coat of the Standard 4553™ Epoxy Coating Repair Kit to a clean and primer coated surface. Immediately broadcast a sand aggregate and allow the epoxy coating to dry for 24 hours. After cure, brush off excess aggregate. Apply another 10-20 mil topcoat of the 4553™ Epoxy Coating and allow it to dry. Adjust the particle size and amount of aggregate to achieve desired texture.

**Technical Services- Call Sales and Customer Support at (888) 278-1337 or fax to 713. 680-1017.**

**Warranty-** Standard Cement Materials Incorporated, located in Houston Texas will refund the price of or replace, at its election, product it finds to be defective provided the product has been used properly. Except as expressly stated above, the Corporation makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.