

# 555

## CONCRETE FLATWORK REPAIR

### GENERAL DESCRIPTION

Emecole Metro 555 is a very rapid set, hybrid polyurethane possessing extreme strength and ultra low viscosity for concrete flatwork repair. Emecole Metro 555 repairs hairline cracks and larger in parking decks, warehouse floors, driveways, patios, pool decks, etc. It penetrates deep into the crack and cures in minutes. The product can have an overlay placed on it the same day. Repaired area can be put back into service within 20 minutes. It works even in cold conditions. It is especially useful where low turnaround times are advantageous.

### CHARACTERISTICS

555 is very low in viscosity allowing the product to penetrate deeply into concrete and does not become brittle.

### ADVANTAGES

- 2 to 4 minute initial set, 20 minutes to back in service
- High Impact Resistance
- Extremely Low Viscosity
- High Fuel and Chemical Resistance
- High Durability
- Convenient Packaging
- Self Leveling

### TYPICAL COMPONENT PROPERTIES

Solids	60%
Shelf Life	1 Year
Hardness ASTM D2240	Shore D 70
Mix Ratio	1:1
Tack Free	4-5 Minutes
Tensile ASTM D412	4500 Filled
Tear Strength, ASTM 624C	460
Gel Times	2 min. @75 Deg
Elongation ASTM D124	8%
Viscosity @ 25 Deg. Cel.	20

## **PACKAGING**

Dual Cartridges

## **PREPARATION**

Concrete must have a minimum of 28 days of curing before application of 555. The area must be dry. Not meant for expansion joints

## **APPLICATION**

1. For optimum appearance open up the crack a minimum of 1/4" wide by 1/4" deep using, a hand grinder and crack chasing diamond blade. Blow out the crack to clean out any loose debris. Oils, sealers, etc. will inhibit proper bonding of Emecole Metro 555. If you choose not to chase the crack Emecole Metro 555 can be ground off after initial set, usually about 20 minutes.
2. Fill the crack with dry silica sand.
3. Shake Emecole Metro 555 for 4 to 6 minutes just before use to mix pigments which may have settled.
4. Remove cap of cartridge, attach crossover restrictor found on the neck of the cartridge, static mixer, and then retaining nut to cartridge. While holding Jake tool upward, place cartridge set into gun. Point nozzle upward and squeeze trigger until air and unmixed product is expelled from the static mixer. Maintain a constant flow through the mixer while the gun is pointed in the air. Product is now ready to be applied to repair area. Pointing the gun upward and allowing product back into the cartridge from the static mixer will result in cross contamination and loss of product.
5. Soak sand with Emecole Metro 555 until saturated leaving a slight hump.
6. Emecole Metro 555 can be scraped or lightly sanded once it turns light grey and has reached an initial cure to achieve a finished look.
7. Emecole Metro 555 begins to set up very quickly. If allowed to sit in the mixer for more than a minute or two the mixer will become plugged. Unused product can be capped and reused as long as product that has entered the mixer has not been allowed to reenter either side of the cartridge.

## **WARRANTY**

Recommendations concerning the performance or use of this product are based upon independent test reports believed to be reliable. If the product is proven to be defective, at the option of the Manufacturer, it will be either replaced or the purchase price refunded. The Manufacturer will not be liable in excess of the purchase price. The user will be responsible for deciding if the product is suitable for his application and will assume all risk associated with the use of the product. This warranty is in lieu of any other warranty expressed or implied, including but not limited to an implied warranty of merchantability or an implied warranty of fitness for a particular use.