Emecole Metro LLC

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555

CONCRETE FLATWORK REPAIR

GENERAL DESCRIPTION

Emecole Metro 555 is a very rapid set, hybrid polyurethane possesing 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. Cures in temperatures from 40 – 100 degrees. It is especially useful where low turnaround times are advantageous. Store at room temperature. Do not allow to freeze.

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
- 100% solids and contains Zero VOCs

TYPICAL COMPONENT PROPERTIES

Solids		100 %
Shelf Life		1 Year
Hardness	ASTM D2240	Shore 78 D
Mix Ratio		1:1
Tack Free		4-5 Minutes
Tensile Strength	ASTM D-638	5510 psi
Compression Strength	ASTM D-695	4500 psi
Bond Strength		1100 psi
Gel Times		2 min. @75 Deg
Elongation	ASTM D-638	4 %
Mixed Viscosity		55 cps

PACKAGING

Universal and 22oz 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. Emecole Metro 555 can be used with Filler Sand (pure, wash and dried silica sand – available separately by Emecole Metro), which allows for the application to use less material, while also strengthening the overall repair.

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, 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. Product is now ready to be applied to repair area. Do not allow product to flow back into the cartridge from the static mixer which will result in cross contamination and loss of product.

5. If using sand - Soak sand with Emecole Metro 555 until saturated continue layering sand and material until crack is filled.

6. Emecole Metro 555 can be scraped or lightly sanded once it 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 re-enter 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.