

# POXEECOTE 20GF

## HEAVY DUTY GLASS FLAKES EPOXY COATING



### DESCRIPTION

**POXEECOTE 20GF** is a 100% reactive, solvent free, two component, high build, polyamine cured epoxy coating extended with Glass Flakes. This system has excellent abrasion resistance with impermeability to gases and liquids.

### FEATURES AND BENEFITS

- Provides excellent wear under traffic
- Excellent resistance to variety of chemicals
- Easy to apply with standard equipment.
- Can be applied as a nonslip floor finish.
- No separate primer required.
- Impermeable to gases and liquids

### BASIC USES

- Auto /truck repair bays
- Warehouse floors
- Chemical Plants
- Manufacturing plants
- Show rooms
- Parking Decks

### ENGINEERING DATA

The mixing ratio of liquids in this system is 4 parts resin to 1 part hardener by volume.

Finish	: Semi - gloss
Colors	: Off - white, red, and gray, special colors are available on request.
Solids by volume	: 100%
Theoretical Spreading Rate	: 2.5 square meter per liter at 400 microns thickness(dry or wet film)
Dry to touch	: Approx 24 hours at 20°C
Fully cured	: 7 days after application
Pot life	: 40 minutes at 25°C
Recoat Interval	: 23 hours minimum at 20°C 5 days maximum at 20°C
Airless spray Application	: Nozzle orifice 0.019"-0.023" This Data is for indication only
Clean up	: Tools and equipment may be cleaned with

in the case of expansion joints should be brought up through the coating. All crack over 1/16"(1.6 mm) wide shall be filled. Use a 100% solids epoxy mortar as **CEMTEC EPOMORT 100** Mortar to fill the wide cracks, joints and keyed edges.

**OLD CONCRETE FLOORS** : Removal of all contamination should be carried out by grinding, blasting or scabbing. Prior to application it is essential that the floor is sound and clean.

### Repairs

If repairs are necessary, see **CEMTEC EPOMORT 100 EPOXY MORTAR** data sheet.

### Epoxy screed coating

**POXEECOTE 20GF** can be applied directly over **CMCI CEMTEC EPOMORT 100 EPOXY MORTAR** screeding for additional protection and wear resistance.

### MIXING / APPLICATION

The hardener (part B) is added to the resin (part A) and mixed thoroughly until homogeneous (at least 3 minutes). Let stand for at least five minutes prior to application. **POXEECOTE 20GF** can be applied by brush, roller or airless spray. For nonslip surface, fine sand can be broadcast on the epoxy surface while still wet. Allow to cure for at least 24 hours and finally top with very thin coat.

### TO MAKE A NON-SKID EPOXY FLOOR COATING USING "POXEE-COTE 20GF"

- Prepare concrete surface to be coated as described in the surface preparation section of this data sheet.
- Mark the area to be coated in five (5) meters by ten (10) meters length sections. Mix the two liquid components (part A and part B) and pour direct from the container to the center of the marked area. Distribute the liquid using squeegee or roller. 1 Liter of **POXEECOTE 20GF** will approximately cover 5 square meters at 200 micron thickness per coat.

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Data Sheet



### PACKAGING

Available in 10 liter kits

- Immediately after the coating has been applied and distributed, broadcast the sand on the surface until it has absorbed the liquid. Allow to dry for at least 16 hours but not more than 36 hours

- Remove the excess sand from the surface using a nylon bristled brush. Apply a second coat of **POXEECOTE 20GF** approximately 0.2 mm thickness. Allow to dry and cure for seven (7) days prior to use. The Dry Film thickness will be increased to approx. 450 micron with non-skid flooring.

### CLEAN-UP

Clean tools and equipment with solvent such as CEMTEC Solvent, xylene. Do not allow the epoxy to harden on equipment.

### CHEMICAL RESISTANCE

Acetic Acid, 5% .....	Poor
Alkalies .....	Excellent
Ammonia .....	Excellent
Battery Acid .....	Good
Hydrochloric Acid 1 0% .....	Good
Methylene Chloride .....	Poor
Salt Water .....	Excellent
Oil .....	Excellent
Ethylene Glycol .....	Excellent

### LIMITATIONS:

As in case with most epoxies, **POXEECOTE 20GF** would change in color and appearance on exposure to Ultra Violet Light.

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CMCI manufactures its products at their manufacturing facility in Saudi Arabia as per the Quality Procedures certified to conform with quality Management System described in ISO 9000 series

CMCI provides a comprehensive technical support system for its full range of high performance construction products CMCI also offers full technical field support to consultants, Architects, contractors, applicators and End Users.

The Technical Specification information and recommendations given are based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product CMCI reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of CMCI no guaranty and or responsibility is assumed on the performance of work completion executed with use of our products.

#### "High Quality Construction Chemicals"

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