

# CALISTO MICROCRETE

## High Strength Polymer Mortar For Structural Repairs

### DESCRIPTION

Calisto Microcrete is free flowing Cementitious grey powder with micro fine aggregates along with polymers, which is used for repair of the damaged structures. This ready-made high strength mortar is added with glass fibres which provides 360 degree reinforcement and crack resistance.

### AREA OF APPLICATION

- Structural repair
- Re-construction/ structural rehabilitation of beams and columns
- Grouting structural cut outs and recess in sanitary fittings
- Honeycombing repair
- Filling of Tie rod holes
- Covings
- Crack filling of wide cracks
- Trimix floor repair. etc

### ADVANTAGES

- High workability
- Specially developed with very high early strength. It develops strength of the parent concrete within 24 hours of pouring.
- Compressive strength- 40N/mm<sup>2</sup>
- Economical, easy to use and non-toxic.
- Protects reinforcements from corrosion
- Self curing; no curing is required, just sprinkling of water for 2 days is sufficient to get good compressive strength High bond with Parent concrete

### METHOD TO USE

Concrete surfaces must be structurally sound, free of loose or deteriorated concrete and free of dust, dirt, paint, efflorescence, oil and all other contaminants. Remove any loose material and any coatings such as paint, curing agents, and sealers.

#### Mixing:

- Calisto Microcrete is to be mixed with requisite amount of potable water as per the required consistency according to the type of work. And mixing time should be minimum 3 minutes.
- **For improved strength:** You can add 1.5 % to 5% 'Calisto Latex' per 25 kg bag along with requisite amount of water for improved compressive strength.
- **For the repair work:** To form better bonding of old to new concrete and improved bond strength, first apply bond coat on the old surface followed by 'Calisto Microcrete' filling. [Bond coat- Calisto SBR or Calisto Latex + Cement in the ratio of 1:1)

### PACKAGING

CALISTO MICROCRETE is available in 25 kg & 50 kg bag

## TECHNICAL INFORMATION

Color	Grey
Coverage	Micro concrete 25 kg bag producing 13.5 Ltr Volume
Shelf life	12 months from the date of production
Workability	Free Flowing powder
Bulk density	1.5 +/- 0.05
Compressive strength	28 days: 40N/mm <sup>2</sup>
Pot Life	60 Min/20 C
Setting Time	24 hours

## HEALTH & SAFETY

Exercise caution and use protective clothing such as gloves and goggles. Inhalation of vapour or mist should be avoided. If inhaled symptoms include coughing, wheezing, laryngitis, and shortness of breath, headache, nausea, and vomiting. Immediately shift victim to fresh air & if need be start artificial respiration. Give oxygen if breathing is labored & call emergency medical help. In case of eye contact flush with water for 15 minutes and call for medical help. If swallowed will cause nausea, vomiting, and loss of consciousness. Do not induce vomiting rather call for medical help. If contact with skin flush with water/soap & water until all traces are removed. Seek medical attention if required.



**MANUFACTURED BY**

Gala no. 8/2, Shalimar industrial estate,  
Survey no. 89/1/2 Dayat falls, Silvassa- 396230

Customer care:  
sales.constroplus@gmail.com



**MARKETED BY**

A9/201, Eco valley, Kanhe Mumbai Pune Highway,  
Kanhe, 412106

Tel no. +91 98224 03250  
calistochemicals@gmail.com