

## Cetorex Grout

Cementitious Free-flowing Non - Shrink Grouting.

### Description:

- **CETOREX GROUT** is a ready - to use cementitious mix requiring only the addition of water to produce high strength non-shrink mortar, the material is a mixture of specially processed cement with carefully graded fine aggregate and additives to impart controlled expansion characteristics, reduce the necessary water, increase bonding strength, produce fluidity, and high early and final strength.
- Available in two types : Fine & Coarse as appropriate for the thickness of the grout.
- Complies with ASTM C 1107.
- Complies with CMBI TECH.SPCS. No CMBI 1080.
- Approved from National Organization for Potable water and sanitary drainage for sanitary projects.

### Fields of Use:

- Under supports of bridges, machines, structures, ... etc.
- Strengthening and repair works for reinforced concrete structures.

### Advantages:

- Non - shrink mortar, free from iron and chlorides.
- High early strength.
- Resistant to temperatures up to 200°C.

### Technical Data :( at 25° C)

Colour		grey
Density (Powder)		1.95 ± 0.05 kg/ l
(Dry mortar)		2.30 ± 0.05 kg/ l
Compressive strength ASTM C 109	(3 days)	300 - 400 kg/ cm <sup>2</sup>
Depends on mixing water ratio & 8 temperature	(7 days)	400 - 450 kg/ cm <sup>2</sup>
	(28 days)	450 - 600 kg/ cm <sup>2</sup>
Height change early age ASTM C 827		0.08 %
Height change ( hardened grout 28 days ) ASTM C 157		negligable
Water absorption		1.2 %
UV resistance		Excellent

### Chemical Resistance:

Sodium hydroxide	PH 10	Excellent
Sodium chloride	10%	Excellent
Sodium sulphite	10%	Excellent
Benzine	0.96 g / cm <sup>3</sup>	Excellent
Kerosene	0.84 g / cm <sup>3</sup>	Excellent

# Construction Repair & Strengthening Products

## Directions for Use:

- Place the specified amount of water in the mixer.
- Slowly add the contents of **CETOREX GROUT** and mix continuously.
- When all contents are added: Mix continuously for 2 minutes making sure that smooth, even mix is obtained.
- Place within 20 minutes to gain the full benefit of the expansion process.
- All exposed areas should be cured with **CURASOL** compound (or after initial hardening be cured by water or wet Hessian) .
- The amount of water added to obtain a pourable consistency is precise and an accurate gauging method must be employed.

According to the required grout consistency the water required for each 100 kg of **CETOREX GROUT** is as follows:

- For pourable consistency: 10 - 11 liters.
- For plastic consistency 8-9 liters.
- For best results a mechanical mixer must be used. Smaller quantities may be mixed manually.
- The substrate must be free from oil, grease or any loose material. If the concrete surface is defective or has laitance, it must be cut back to a sound base. Bolt holes or fixing pockets must be blown.
- Clean tools after use with water.

## Safety Precautions:

- Wear gloves, overalls and goggles during handling & application.
- In case of contact, rinse off thoroughly with water.
- Wash hands with water after use.

## Storage:

- 12 months under suitable storage conditions.

## Packages:

- 5 kg, 25 kg and 50 kg.