CHEMA FOAM

BUILD YOUR DREAM

CHEMA
GROUT 214

Chema Grout 214 is a Non-shrinkage cementitious mortar with High-flow, contains selected hydraulic binders, fillers, organic binder and Special additives. When mixed with the right quantity of water on site, the product is ready to apply.



Product Data:

Appearance	Grey powder
Standards	Chema Grout Complies with ASTM C 1107
Packaging	25 kg
Storage	12 months in dry and suitable storage conditions.

Technical Data (at 25 °C) :

Description	Values
Density (Powder) (kg/liter)	2 ±0.2 (Dry mortar)
Density (mortar) (kg/liter)	2.2 ±0.2 (After mixing with water)
Application temperature range	from +5°C to +35°C
Mix ratio	3-3.5 L water : 25 kg Chema Grout

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USES:

1. Installation of anchoring bolts, iron bars, machine tools, and structural steel in concrete.
2. Precision grouting for industrial equipment subject to shocks and vibrations.
3. Joint filling between concrete and precast elements.
4. Support bedding for bridges, machines, and cranes.
5. Reinforced concrete repairs, including crack and gap filling with formwork if needed.

ADVANTAGES:

1. Very high early and final compressive strength.
2. Good adhesion to iron and concrete.
3. Resistant to water and oil penetration.
4. Easily pumped and injected.
5. Reduces down time requirement.
6. Not contain metal aggregates.

Mix ratio:

3-3.5 L	+	25 kg
WATER		GROUT 214

Method of Application:

Surface Preparation:-

* Substrates must be clean, dry and sound from oils, grease, dust, and contaminants.
* Saturate dry surfaces with clean water before applying Chema Grout slurry to concrete surfaces. But without any standing water.

Application:

1. Add 3/4 of water into the container, then gradually add Chema Grout 214, and Blend with a mechanical mixer.
2. Then add the rest of the water and let mix for a minimum of 3 minutes from the time the last water was added to the mixture.
3. Chema Grout 214 should be left to stand after final mixing, for 5 minutes.
4. Placed Chema Grout 214 mortar as soon as possible from 5 minutes standing, up to 30 minutes from mixing.
5. The surface area should be cured for a minimum period of 3 days from achieving its initial setting.

Notes:

- Do not add cement or admixtures to Chema Grout 214.
- Do not add additional water when the mix has started to set.
- Do not mixing by hand.
- Wear gloves, overalls and goggles during handling & application.
- In case of contact, rinse off thoroughly with water.
- All tools should be cleaned with water immediately after use. Hardened materials can only be mechanically removed.

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FACTORY
10th of Ramadan
B4 industrial zone