

# Power Cem Grout

**High strength cement based self-leveling grout**

## **Description: -**

- Non-shrinkage cement based grout contains a mixture of specially processed cement and 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.

## **Usage: -**

- Under support of bridges, machines, cranes, ... etc.
- Strengthening and repair work for reinforced concrete structures in filling cracks and gaps after suitable formworks if necessary.
- Assembly of pre-fabricated concrete elements.
- Fixing for steel and iron column plates.

### Advantages: -

- Non-shrink mortar.
- High early strength.
- Resistant to temperatures up to 200° c.
- Available in two types, fine and coarse.
- Good adhesion for concrete, steel, stones, and iron.
- Good resistance to chemicals, salts, and weather conditions.
- Chloride free.
- Iron and metal-free (It doesn't oxidize in high humidity)

### Characteristics: At 25°

Color	Grey
Density (Powder)	1.95 + 0.05 kg / L
Density (Dry mortar)	2.2 + 0.05 kg / L
Compressive strength depends on mixing water & temperature	
3 days	250 : 350
7 days	370 : 450
28 days	450 : 550
Height change early age	0.08%
Height change after 28 days	Zero
Water absorption	1.20%
UV resistance	Excellent

### Application instructions: -

- The substrate must be free from oil, grease or any loose material.
- Place the specified amount of water in the mixer.
- Slowly add the contents and mix continuously.
- When all contents are added: Mix continuously for 2 : 3 minutes making sure that smooth, even mix is obtained. And left to stand after mixing for 5 minutes to avoid air bubbles.
- Place within 20 minutes to gain the full benefit of the mixing process.
- Electric drill with low speed (Max. 500 rpm) is recommended.
- 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 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.
- Clean tools after use directly with water.

### Safety precautions: -

- The product should be applied in a well-ventilated area.
- Gloves, protective clothing, and eye goggles should be worn during application.
- Never eat, drink, or smoke during application.
- In case of skin contamination, wash the contaminated area with water and soap.

- In case of eye contamination, immediately wash with abundant lukewarm water and consult a doctor immediately.
- Avoid spilling residues of the product into any watercourse or soil.
- Dispose of product residues or empty containers according to local environmental regulations.

**Packages: -**

capacity [5, 25, 50 kg].

**Storage: -**

The product should be stored for 12 months in tightly sealed containers and under appropriate storage conditions.

For more information or inquiries, Visit our website.

[Power-cp.net](http://Power-cp.net)

**Disclaimer:** The technical data provided herein is accurate and correct as of the publication date and is subject to change without prior notice. The information in this datasheet is not exhaustive. Application conditions should comply with those mentioned in this datasheet. The company is not responsible for any losses resulting from application under differing conditions.

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