

Strong Grout

Epoxy adhesive non-shrink grout for anchoring
iron, multi-purpose

Description:

Strong Grout is a non-shrink epoxy mortar and structural repair compound for multiple applications, including anchoring and fixing reinforcing steel bars, and repairing and strengthening structures. It is based on solvent-free epoxy resin and carefully selected, high-quality fillers, supplied as a two-component system.

Usage: -

- Anchoring and fixing reinforcing steel bars
- Fixing wall bolts and machine anchor bolts
- Fixing and bonding metal plates to concrete, or bonding concrete elements to bridge components
- Anchoring bolts and steel rods in concrete
- Repairing and restoring damaged concrete
- Used as an adhesive, levelling compound, and filler for floors, various surfaces and columns, and for filling pores and minor voids before applying epoxy coatings

- Filling joints and gaps in acid-resistant tiles and flooring
- As a protective layer resistant to abrasion, friction and chemicals on floors in factories and industrial facilities
- As a heavy-duty flooring layer beneath machine foundations and steel structures
- As a structural adhesive for precast concrete column sections
- Bonding ceramic tiles and skirting tiles
- Bonding and joining various materials, including concrete, hard natural stone, pottery, iron and aluminium

• **Advantages: -**

- High-quality adhesive for most construction materials
- High compressive strength
- High resistance to mechanical stresses
- High resistance to abrasion, friction, impact and shock
- Non-shrink mortar
- Can be applied to dry or slightly damp concrete, or underwater
- High resistance to chemicals and sewage
- Solvent-free, easy to apply and odourless
- Suitable for use in relatively hot and cold conditions
- Suitable for horizontal and vertical surfaces
- Multipurpose adhesive with high bond strength
- High moisture resistance

Characteristics: At 25°

Colour	Grey or as required
Mixing ratio by weight A:B	2 : 1
Solids content by weight	%100
Density (kg/L)	2 ± 0.05
Pot life	Approximately 45 minutes (decreases as temperature rises)
Touch-dry time	hours 35
Final drying time	24 hours for light loads
Full curing time	7 days
Compressive strength	800 kg/cm ²
Flexural strength	400 kg/cm ²
Consumption rate	Approximately 2 kg/m ² [at 1 mm thickness], or depending on the depth and diameter of the [steel bar] hole

Application instructions: -

Note: -

Concrete must be at least 4–6 weeks old

Substrate preparation: -

The surface must be clean and free from dust, contaminants, oils, grease and loose mortar

Mixing: -

- First, mix Component [A] thoroughly Add the entire contents of Component [B], then mix thoroughly for three minutes using a low-speed mechanical mixer [300 rpm] until a homogeneous mixture is obtained

- When used as an adhesive bonding layer, apply with a putty knife or steel trowel
- When filling acid-resistant tiles, such as Sornaga tiles, fill the joints ,and gaps to a width of at least 5 mm and to the full tile thickness then level the mortar surface
- For rebar anchoring, fill one-third of the hole with the material, insert the steel bar while rotating it, then fill the hole completely and level the surface

Safety precautions: -

- Wear gloves, protective goggles and suitable protective clothing during application
- Do not eat, drink or smoke during application
- If the product comes into contact with skin, wash the affected area with soap and water
- If the product gets into the eyes, rinse immediately with plenty of lukewarm water and seek medical advice immediately
- Avoid discharging product residues into any watercourse or onto the soil
- Dispose of product residues and empty containers in accordance with local environmental regulations

Packages: -

Plastic jerry can with capacities [and 27 kg 15 ,1]

Storage: -

The product can be stored for two years in tightly sealed containers under suitable storage conditions

For more information or inquiries, Visit our website.

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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