Power Strong

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

Description: -

Non-shrink epoxy grout for multiple uses, such as anchoring and securing iron and repairing and strengthening structures. Based on solvent-free epoxy resin and carefully selected high-quality filling materials in a two-component form.

Usage: -

- Used for anchoring and securing rebar.
- Used in fixing wall bolts and machine fastening screws.
- Applied for securing and bonding metal sheets to concrete or concrete elements in bridge components.
- Used for securing screws and iron bars in concrete.
- Used for repairing and restoring damaged concrete.
- Used as an adhesive, leveling compound, and filler for various floors, surfaces, and columns.
- Used for filling joints and gaps in acid-resistant floor tiles.
- Used as a resistant layer against friction, abrasion, and chemicals in factory and industrial facility floors.

- Used as a high-strength floor layer under the bases of machines and metallic structures.
- Used as a construction adhesive for precast concrete sections in columns.

Advantages: -

- High-quality adhesive for most construction materials.
- High compressive strength.
- High resistance to mechanical stresses.
- High resistance to weather, friction, roads, and impacts.
- Non-shrinking mortar. Applicable on both dry and relatively wet concrete or underwater.
- High resistance to chemicals and sewage. Solvent-free, easy to apply, and odorless. Suitable for use in both hot and relatively cold climates.
- Suitable for both horizontal and vertical surfaces.
- Multi-purpose adhesive with high bonding strength.

Characteristics: At 25°

color	
Mixing ratio by weight A to B.	
Solid content ratio by weight A to B.	
Density kg/liter	
Operating period	
Initial setting time	
Final setting time	
Full hardness	
Compressive resistance	
Bend resistance	
Rate of use	The average consumption is 2 kg/ m^2 [thickness of 1 mm] or as per the depth and diameter of the iron rod.

Application instructions: -

Note: -

The concrete must be at least 4 to 6 weeks old.

Substrate preparation: -

The substrate must be cleaned well, and free from dust, oils, grease, and mortar residue.

Mixing: -

- Stir compound [A], then add the entire content of compound [B] and mix the mixture well using a slow-speed mechanical mixer (300 RPM) until homogeneity.

- When used as an adhesive bonding layer, a steel trowel or putty knife should be used.
- In the case of filling acid-resistant tiles such as Sornaga, the joints, and gaps should be filled with a width of not less than 5 mm and the thickness of the tile, with the leveling of the mortar surface.
- When implanting rebar, one-third of the hole should be filled with the material, then iron rods are implanted in a circular motion, the hole is completely filled, and the surface is leveled.

Safety precautions: -

- Gloves, protective clothing, and eye goggles should be worn during application.
- Follow health and environmental safety precautions.

Packages: -

Plastic jerry can with capacities [1, 5, 20 kg].

Storage: -

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

For more information or inquiries, please contact the technical department.