

# Power Strong QQ

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

## **Description: -**

Epoxy adhesive mortar, fast-curing, non-shrink, for various purposes. It is based on solvent-free epoxy resin, an amine hardener with a special curing system, and other carefully selected materials in the form of two components.

## **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.
- Used as ceramic adhesive.

#### **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	Grey
Solid content ratio by weight A to B	100 %
Density kg/liter	1.95 $\pm$ 0.02
Mixing ratio by weight A to B.	12 : 1
Operating period	1 hour
Initial setting time	10 : 15 min
Final setting time	24 hours
Full hardness	6 days
Minimum Temp.	15°c
Compressive resistance	800 kg / cm <sup>2</sup>
Bend resistance	500 kg / cm <sup>2</sup>
Meld Strength	103 kg / cm <sup>2</sup>
Rate of use	2 kg / m <sup>2</sup> (1mm thickness)

**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: -**

- 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.
- The used tools should be washed immediately after completion with water.

- Dispose of product residues or empty containers according to local environmental regulations.

### **Packages: -**

Plastic jerry can with capacities [1, 6 kg].

### **Storage: -**

The product should be stored for two years 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.

**Edition: 7/2024**

