

# Power Poxy Clear

2K transparent epoxy Liquid with high chemical and mechanical resistance, suitable for multiple applications.

## Description:-

- Two-component, solvent-free, and transparent epoxy liquid.
- It is characterized by high resistance to mechanical stresses and the effect of chemicals in drinking water tanks, food stores, etc.
- It can be blended with fillers to produce multi-purpose non-shrinking epoxy mortar with high properties to resist mechanical stresses and the influence of chemicals.
- Resistant to bacteria, fungi and harmless to health.

## Usage:-

- Protective coating for floor surfaces, concrete walls and cementitious surfaces against the influence of chemicals and mechanical stresses.
- Production of epoxy mortar, used for bonding various building materials, covering concrete floors in factories, repairing concrete structures, and anchoring steel bars in concrete.
- Epoxy mortar used to fill wide cracks (greater than 1 mm)

- Filling the voids under the iron columns and machines with epoxy grout from Power Poxy Clear and fillers.

### Advantages: -

- High mechanical resistance to stresses and pressures.
- Excellent adhesion strength to all surfaces.
- High resistance to chemicals and petroleum materials.
- The product can be used in all epoxy mortars in different applications depending on the fillers or their quantity.
- Resistant to bacteria and fungi.
- Versatile and easy to apply.

### Technical properties of the product [at 25°C]

#### Properties of liquid substances:

Color	transparent
Non-Volatile by weight	100 %
Density (kg/l)	1.11 ± 0.02
Mixing ratio of compounds, A: B	2 : 1
Initial drying time	8 hours
Final drying time	24 hours
Full hardeness	7 days
Consumption rate	0.3 kg/m <sup>2</sup> for the first coat 0.25 – 0.40 kg/m <sup>2</sup> for the following coats 1.5kg/m <sup>2</sup> /5mm for covering mortar

### Mechanical properties of epoxy mortar:

Density	1.8 – 2.1 ton/m <sup>3</sup>
Compressive resistance	450 – 950 kg/cm <sup>2</sup>
Bending resistance	170 – 350 kg/cm <sup>2</sup>

### Application instructions: -

#### A- Surface preparation:

- Surfaces must withstand the stresses to which they will be exposed (concrete resistance is at least 250 kg / cm<sup>2</sup>).
- Surfaces must be dry (concrete moisture not exceeding 4%), hard, and free from dust, oil, grease, concrete butter, and any other materials that may affect the cohesion property with concrete.
- Surface temperature must be between 5°c : 35°c

#### B- Mixing:

- Stir the compound { A } well and then add the compound content { B } completely and stir the mixture well using a slow speed mechanical mixer (300 rpm) until complete homogeneity.
- In the case of preparing the mortar, add the fillers and remix for another three minutes.
- Transfer the mixture to a clean bowl and remove the mortar adhering to the wall of the mixing bowl with a paste knife and add to the rest of the mortar and re-mix.

### **C- Filler Blending:**

- Fillers content should not be more than 20% soft materials, such as quartz powder or cement, etc.
- Mixtures containing epoxy fillers ratio between 1: 5 to 1: 10 are used as a covering for industrial floors or in restoration operations.

### **D- Operating:**

- Applied by Brush, roller, or spray.
- In the case of use as a mortar, it is preferable to apply preparatory coat of the product before spreading the epoxy mortar in the case of dry mixtures that contain high percentages of fillers (greater than 1 : 5)
- The equipment cleans the user with water immediately after use .

### **Safety and Safety Instructions:-**

- Use gloves, goggles and special clothing during application.
- It is strictly forbidden to eat, drink or smoke during application.
- In case of skin contamination, wash the contaminated part with soap and water.
- In case of eye contamination, wash them immediately with copious amounts of lukewarm water and consult a doctor immediately.
- Avoid pouring product residues into any waterway or soil.
- Product residues or empty packaging are disposed of in accordance with local environmental laws.

**Packaging: -**

Two Kits (A + B) capacity [1, 3 kg]

**Storage: -**

The product is stored for two years in sealed containers and in suitable storage conditions.

For more information or inquiries, please visit the company's website.

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

**Disclaimer:** The technical data contained herein is correct and accurate from the date of publication , and is subject to change without prior notice. The information provided in this prospectus is not exhaustive. The conditions of application must be adapted to what is mentioned in this prospectus and the company is not responsible for the consequent losses in case of application in different circumstances.

Version: 7/2024

