



CORBELL® ERS – 777

Epoxy Resin Structural Strengthening Systems

CORBELL ERS 777 Is 2 - Component Epoxy past that can be used following application. Excellent installing FRP fabrics on concrete, steel and metals.



Product Advantages:

- Outstanding adhesion to concrete, steel, masonry, wood and composites.
 - Excellent chemical resistance.
- High mechanical properties.
- Hardness without shrinkage.
- Able to operate in temperatures from 5c° - 45c°

Working Surfaces:

- Surfaces must be free of any material that may deter adhesion, including severe and thick amounts of drywall Joint Compound. Patch large holes and depressions and remove any bumps high spots, dust all and grease. The surface to be bonded must be level.

Mixing:

- Add 2 Component and mix for 3-5 minutes with Low Speed drill until a uniform mixture is obtained. The ratio of mixing is A:B=5:1

Material Consumption:

- For installing all FRP fabric in normal thickness consumption is about 0.8-1.2 kg/m²
- It is necessary to check all part of FRP fabric to be saturated.

Storage and Shelf Life:

- Store this product in dry condition, out of direct sun light and protected from extreme hot and cold. Store at between 5°c and 25°c, in this conditions Shelf, Life is at least 24 months for open package.

Safety Precautions:

- In case of skin contact may cause skin irritation.
- Wash thoroughly with soap and water.
- For eye contact, flash immediately with plenty of water; contact physician immediately.
- Wear gloves and goggles.

Technical Data for CORBELL® ERS – 777

| Property | Condition | Value |
|------------------|--------------|----------------------------------|
| Color | Mixed | Yellow |
| Mixed ratio | By weight | 5:1 (100gr resin:20 gr hardener) |
| Pot life | After mixing | 30 minutes |
| Heat resistance | After cured | 80 c° |
| Density | 25 c° | 1.75 Kg/L (mixed) |
| Bonding strength | After cured | >2.5 Mpa |
| Tensile strength | After cured | >2.5 Mpa |
| Full cured | 25 c° | 7 Days |