

Kemapoxy 168

None shrink -Flowable Epoxy Grout

Description:

- **KEMAPOXY 168** is a solvent-free 3 components - castable grout based on the combination of two components high strength epoxy resin, (component A + component B) and specially graded aggregates (component C). Mixing of the 3 components results in forming a pourable, non shrink epoxy grout.
- Epoxy resin complies with ASTM C 881.

Fields of Use:

- **KEMAPOXY 168** is a high strength and non-shrink material. It is suitable for grouting under machine bases, crane rails, and Bridge bearing plates.
- Fixing bolts and anchors.
- To produce heavy-duty industrial floors.
- To fill cracks and cavities in concrete elements.

Advantages:

- Ready to use premeasured components requires only good mixing to produce excellent flow Characteristics even in thin layers.
- Non shrinking mortar.
- High mechanical strengths.
- Impact and vibration resistant.
- Good chemical resistance.
- Good adhering to concrete and steel.

Technical Data : (at 25 °C)

| | |
|---|---|
| Colour | Yellowish |
| Solid content | 100 % |
| Density | 2.00 ± 0.01 kg/l |
| Mixing ratio A : B : C (by weight) | 2.74 : 1 : 15 |
| Pot life | 45min |
| Initial setting time | 8 hourss |
| Final setting time | 24 hours |
| Full hardness | 7 days |
| Compressive strength | 850 ± 5% kg/cm ² |
| Coefficient of linear thermal expansion | 36 X 10 ⁻⁶ - 49 X 10 ⁻⁶ |
| Rate of use (theoretical) | 2 kg / m ² thickness 1 mm |

Directions for Use:

- Concrete or steel surfaces should be dry, clean and free from all loose particles, oil, grease and standing water. Cement laitance should be removed in addition steel surfaces should be rust free.
- Minimum age of concrete :28 days, Minimum substrate temperature :15°C.
- Components A and B should be mechanically mixed together for at least one minute with a low speed electric drill (max 300 R.P.M) then add aggregates (component C) and continue mixing until reaching a homogeneous mix.
- Pour grout slowly and continuously to avoid air entrained.
- When grouting under base plates, make sure that there is sufficient head of pressure to maintain flowing of grout.
- Ensure that air displaced by the grout is allowed to escape.
- Clean all tools and equipment using **KEMSOLVE1**.

Safety Precautions:

- Application should be carried out in well ventilated place.
- Gloves, protective clothing and eye goggles should be worn during application.
- Skin contaminations should be immediately cleaned with soap and plenty of water. Don't use solvent.
- If the material is splashed into the eyes, they should be immediately washed with water and then report to an eye specialist.
- Do not eat or smoke during application.

Storage:

- 2 years under suitable storage conditions and in closed container.

Packages:

- 20 kg (2.93 kg comp A + 1.07 kg comp B + 16 kg comp C).
- Follow the mixing ratios - by weight - indicated on the package.