CHEMICAL ANCHOR EPOXY

1 – DESCRIPTION

Chemical Anchor Epoxy is a quick curing, epoxy acrylate based reaction resin mortar for high loads in almost all building materials. It is used with special application gun and static mixer.

2 – PROPERTIES

- Excellent bonding of the mortar enables very high loads in concrete.
- It can be used in many types of solid Stones.
- Secure anchoring in hollow bricks.
- It cures rapidly.
- Scaled cartridge enables accurate dosage of the compound
- Non-sagging; It can be applied vertically.
- Resistant to permanent temperature of 80 °C (Temporary 110 °C)

3 - APPLICATIONS

- Heavy load-carrying attachments in solid stone and concrete.
- Repair mortar or adhesive mortar for concrete components.
- Attachment of anchor rods, threaded collars, reinforcement bars, profiles etc.
- Medium-load applications in hollow-bricks.
- Fixing of;
  - Wooden constructions
  - Metal constructions
  - Metal profiles
  - Sanitary fittings
  - Pipe connections
  - Projecting roofs
  - Facades
  - Cable trays
  - Railings
  - Staircases
  - Gates
  - Window elements

4 - INSTRUCTIONS

1. Drill hole
2. Clean the drilled hole
3. Insert sleeve collar (For hollow bricks)
4. Screw mixer to the cartridge
5. Squeeze out about 10cm of compound before use
6. Fill the hole from bottom upward
7. Screw in reinforcement bar or threaded rod
8. Check mortal filling visually
9. Observe correct hardening time
10. Install component, apply torque

Reaction times

Temperature	*Curing Start(min)*	*Curing End(min)*
5°C	25	120
10°C	15	80
20°C	6	45
30°C	4	25
35°C	2	20

5- PACKAGING

Product	Volume	Package
Chemical Anchor Epoxy	345ml	12

6- STOROGE AND SHELF LIFE

12 months in unopened packaging in a dry and cool storage place at temperatures between +5°C and +25°C.

7- SAFETY

Flammable. Low toxicity. Irritating to skin. May cause sensitization by skin contact. Wear suitable protective clothing, gloves, eye&face protection. Consult SDS for further information.

8- TECHNICAL PROPERTIES

Basis	: Epoxy acrylate	
Density	: 1,60± 0,03 g/ml	
Working time	: 5-10 min. (at 25 °C and %50 R.H.)	
Hardened time	: 6 min. (at 25°C 50% relative humidity)	
Compression strength	: 56 N/mm^2	(ASTM 695)
Bending tensile strength	: 15N/mm^2	(ASTM 638)
Dymanic elasticity	: 4206 N/mm^2 (after 24 hours)	
Temperature Resistance	: -20°C to +120 °C	
Application Temperature	: +5 °C to +35 °C	