Cetokol 3000

Poly- Sulphide Joint Sealant For Horizontal and Vertical Joints

Description:
- CETOKOL 3000: is a two component solvent free non-sag high grade synthetic polysulphide based sealant, which provides a flexible seal for vertical and horizontal joints.
- Complies with BS 4254, ASTM D1850, and ASTM C920 and meets US Federal Specification No. TT - S - 00227 E. Type 2 class A.

Fields of Use:
- CETOKOL 3000 is used for sealing both vertical and horizontal joints when the amount of expected movement or other performance requirements are very high.
- Typical uses in the joints of curtain walls, multi storey buildings, concrete masses, bridges, sea and road ways.
- Joints subjected to chemical agents as in sewage plants, reservoirs and swimming pools.

Advantages:
- Has excellent adhesion to all materials applied in building construction, its high elasticity enables it to withstand repeated, dynamic movements of joints over a very wide temperature range.
- Possesses high resistance to normal weathering, sunlight, ultraviolet rays and chemicals.
- Colour fastness according to specification test ES: 819.
- Not toxic.

Technical Data : (at 25 °C)
- Colour: grey, white
- Solid content: 100%
- Consistency: Gun grade (Pourable on request)
- Density: 1.65 ± 0.04 kg/l
- Mixing ratio A : B by weight: 16 : 1 (grey), 8 : 1 (white)
- Pot life: 3 hours
- Initial setting time: 24 hours
- Final setting: 7 days
- Hardness (shore A): 14 - 20
- Elongation at break (ASTM D 638): >1000 %
- Rate of use (theoretical): 0.7 kg / m for section 2x2 cm

Chemical Resistance :
- Sulphuric acid: 50% ex
- Hydrochloric acid: 30% ex
- Sodium hydroxide: 50% ex
- Sodium chloride: 50% ex
- Sodium sulphide: 50% ex
- Kerosene: ex
- Benzine: ex
- Engine fuel: ex

ex: excellent (no softening + no bubbles + no change in colour)
g: good (no softening + no bubbles + slight change in colour and weight)

Joint Design:
- Ideal width of the joint should be at least two and half times of calculated movement.
- The depth of the joint should not exceed the width. (joint width or depth shouldn't be less than 5mm)
Joint Sealant Products

**Directions for Use:**
- The sides of the joints must be sound, dry and free from oils, grease, dust etc.
- Laying BACKER FOAM inside the joint to control the depth of the sealant material. The depth of joint should not be more than its width.
- The edges of the joints can be covered with masking tape or similar material to avoid soiling.
- It is recommended to prime the sides of the joints with PRIMER CETOKOL or KEMAPOXY 101, the quantity of primer needed is about 2% of the joint sealing material.
- The two components should be mixed carefully until a homogenous mix is obtained. If the base compound is not well mixed with the hardener, uniform curing cannot be expected. Mixing is done by a stirring rod or drill with a stirring paddle fitted.
- CETOKOL 3000 is applied during the pot life of the mix, and the primer has dried.
- Clean tools by KEMSOLVE 1.

**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:**
- 12 months under suitable storage conditions.

**Packages:**
- Kits (A+B) 3.0 kg for grey colour.
- Kits (A+B) 4.5 kg for white colour.
- Follow the mixing ratios-by weight-indicated on the package.

**Filling the joints with CETOKOL 3000**

1 - Sealant CETOKOL 3000
2 - Primer CETOKOL 3000
3 - Backing rod
4 - Advfoam or Boardfoam
5 - Reinforced concrete
6 - Wood or metal slice fixed in one side

- a - Between slabs & Beams
- b - Between columns