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 ºC)

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 (theoritical)	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)

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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.

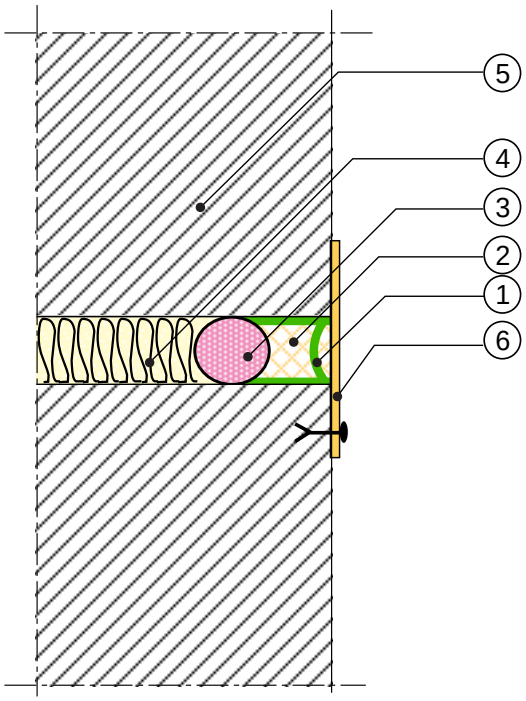
Storage:

- 12 months under suitable storage conditions.

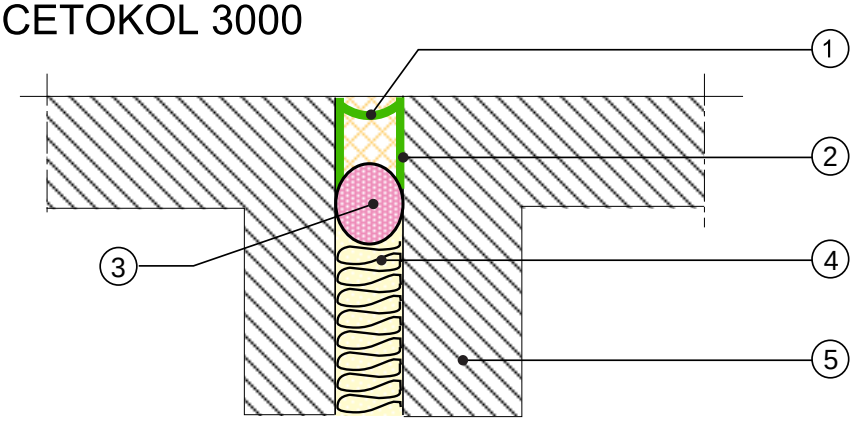
Packages:

- 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



b - Between columns



a - Between slabs & Beams

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

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