

## 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                            | Dark grey , white                  |
| Solid content                     | 100%                               |
| Consistency                       | Gun grade ( Pourable on request)   |
| Density                           | 1.65 ± 0.04 kg/l                   |
| Mixing ratio A : B by weight Pot  | 16 : 1 (Dark grey) , 8 : 1 (white) |
| life                              | 3 hours                            |
| Initial setting time              | 24 hours                           |
| Final setting Hardness (shore A ) | 7 days<br>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 | ex: excellent ( no softening + no bubbles<br>no change in colour)           |
| Hydrochloric acid | 30% | ex |   |
| Sodium hydroxide  | 50% | ex | g: good ( no softening + no bubbles<br>slight change in colour and weight ) |
| Sodium chloride   | 50% | ex |   |
| Sodium sulphide   | 50% | ex |   |
| Kerosene          |     | ex |   |
| Benzine           |     | ex |   |
| Engine fuel       |     | ex |   |

### 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)

## 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 dark 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

