



BETOPROOF C-16-Concentrated

Crystalline waterproofing concrete admixture raw material

Description:

BETOPROOF C-16-Concentrated is a crystalline technology concrete admixture raw material used to produce permanently active waterproof concrete.

Primary Uses:

BETOPROOF C-16-Concentrated is used to produce permanently active waterproof concrete in:

- Water retaining structures; potable water tanks, sewage treatment plants, septic tanks.
- Water excluding structures; retaining walls, tunnels, elevator pits, dams.
- Below grade structures; piles foundations, basements.
- Mass concrete.

Properties/Advantages:

- Permanently active; will self heal future static cracks up to 0,4 mm.
- Improved final strength.
- Provides additional protection to reinforcement steel by reducing chloride ion diffusion.
- Can be used in high w/c ratio (up to 0,55) concretes.
- Liquid; no lumping, easily dispersed.
- Withstands high water pressures (up to 14 bars).
- Compatible with most types of concrete admixtures.
- Eliminates need for surface waterproofing.

Technical Data:

Density :	1,15 g/cm ³ (at +20° C)
pH-value:	11,5
Processing temp.:	+8° C to +30° C

Instructions for Use:

- When stored for extended times, stir BETOPROOF C-16-Concentrated well before use.
- Control of the concrete mix design regarding w/c ratio < 0,55 prior to dosing BETOPROOF C-16-Concentrated.
- Workability time is approx. 45 minutes after the addition of BETOPROOF C-16-Concentrated.
- The addition of a concrete retarder is necessary when using Portland Cement Type II or III. Suitability tests have to be carried out before usage.
- When using BETOPROOF C-16-Concentrated at temperatures below +10°C, the product shall be blended with water in the ratio 1:1 prior to usage.
- If the material was stored at temperatures below +8°C crystals may form. The product is suitable for usage again after stirring or homogenizing.
- Suitability tests accord. to valid standards and norms have to be carried out prior to application.

Packaging:

150 kg drum

Storage & Shelf-life:

BETOPROOF C-16-Concentrated has a shelf-life of 12 months, when stored at +20°C in original, unopened containers.

Special Advice:

- Concrete modified with BETOPROOF C-16-Concentrated may tend to effloresce depending on the composition.
- Aggregates must have a continuous sieve-line.
- It is recommended to perform compatibility tests with other admixtures as required.
- Concrete, modified with BETOPROOF C-16 must be produced, placed and finished according to valid norms.
- BETOPROOF C-16-Concentrated is non corrosive and has no adverse effects on the re-inforcement.
- Protect surrounding areas against the influence of BETOPROOF-C-16-Concentrate
- It is rarely possible that BETOPROOF C-16-Concentrated influences the setting of the concrete. Our product BAYCO-RETARDER has proven as the most effective retarder.

Cleaning & Equipment Maintenance:

Regular water flushing of dispensing equipment will prolong service life and reduce breakdowns.

Safety & Health:

Please adhere to valid Material Safety Data Sheet (MSDS).