



PLASTICIZING AND EXPANDING AGENT FOR PREPARING SHRINKAGE-FREE, HIGHLY-FLUID PUMPABLE SLURRIES FOR INJECTION.

PRODUCT DESCRIPTION

Beto EX 33 Plus is a plasticizing and expanding agent in powder form to be added to cement for preparing shrinkage-free, highly- fluid pumpable slurries for injection.

FIELD OF APPLICATION

- to make slurries for filling post-tensioned cables' protective sheaths in prestressed concrete;
- to make slurries for anchoring reinforcement steel, tie-rods and nails in concrete and rocks;
- to make slurries for filling cavities and cracks in rock and deteriorated concrete;
- to make injection slurries.

CHARACTERISTICS

- Better dispersion of fine particles and cement
- Less friction between cement particles and aggregate grains
- Lower need for water
- Accelerated ventilation of embedded concrete by optimally maintaining consistency and thus the ideal length of processing time
- low water-cement ratios thanks to strong water reduction and thus high early concrete strength
- liquid consistency thanks to the strong reduction of water and thus significantly reducing installation, compaction and finishing time concrete processing.

APPLICATION PROCEDURE

Beto EX 33 Plus is a powder admixture with plasticizing and expanding action to be mixed with cement and water for preparing injection slurries with high fluidity and extended workability. The expanding action of Beto EX 33 Plus completely eliminates hydraulic shrinkage and promotes expansion both in the plastic state and during hardening. In addition, Beto EX 33 Plus reduces bleeding to a minimum.



DOSAGE

2-4% by weight of cement.

The retardation rate achieved is directly dependent on the dosage rate which in turn is influenced by quality of cement and aggregates, w/c ratio and temperatures. It is advisable to carry out trial mixes to finalize the optimum dosage rate.

PACKAGING

Beto EX 33 Plus is supplied in:

– is available in 25 kg plastic bags.

SHELF LIFE-STORAGE

Original sealed packaging of this product is guaranteed to be of first quality for 12 months if stored in a dry area. The high humidity will reduce the shelf life of the bagged product.

SAFETY INSTRUCTION

BETO EX 33 PLUS is not considered dangerous according to the current regulation regarding the classification of mixtures. It is recommended to wear gloves and goggles and to take the usual precautions taken for the handling of chemicals. For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet. **PRODUCT FOR PROFESSIONAL USE.**

TECHNICAL DATA

Product identity	
Appearance	Powder
Color	Grey
Density	2.5 kg/Lt at +20°C
Equivalent sodium oxide	≤ 0.5%
Total chloride ion content	≤ 0.10 %

WARNING

Danger. Contains Portland Cement: Chromium VI < 2 ppm within the validity period of the product. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation. P261 Avoid breathing dust. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302 + P352 IF IN CONTACT WITH YOUR SKIN: Wash with plenty of water/... P305 + P351 + P338 IF IN CONTACT WITH YOUR EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor/...



+1 55 12 258 428
info@dc-industries.us
www.dc-industries.us