



BETO AES 4 IS AN EFFLORESCENCE REDUCER WITH SIMULTANEOUSLY PLASTICISING EFFECT ESPECIALLY FOR BRILLIANT COLOUR PRECAST ELEMENTS.



PRODUCT DESCRIPTION

Beto AES 4 is an efflorescence reducer with simultaneously plasticising effect especially for brilliant colour precast elements.

FIELD OF APPLICATION

- Pavers, especially for coloured semi-dry face and base mixes
- Concrete tiles made from semi-dry concrete
- Coloured garden and landscaping elements.

CHARACTERISTICS

- Better dispersion and wetting of cement, additives and pigments
- Lower frictional forces between cement and aggregates
- Introduction of smallest, evenly distributed air pores
- A considerable hydrophobic effect by increasing the surface tension to the water
- Stronger compactability, which allows achieving higher concrete densities
- Reduced adhesion between the top-layer and the tamper head (anti-sticking effect)
- Increased green strength (shape keeping) after immediate de-molding
- Smooth flanks and surfaces
- Reduced capillary suction
- Uniforme and intense colour of the concrete
- Reduced efflorescence tendency Increased resistance to freezing/thawing and deicing salts
- Lower fluctuation of quality and therefore less 2nd grade products.

METODO DI APPLICAZIONE

Beto AES 4 viene aggiunto simultaneamente con l'acqua della miscela di calcestruzzo o come ultima aggiunta; la miscelazione dovrebbe durare di almeno 60 secondi. Beto AES 4 è abbinabile a molti altri prodotti ed è compatibile con tutti i tipi di cementi e materiali cementizi.

APPLICATION PROCEDURE

Beto AES 4 is either added simultaneously with the water of the concrete mix or as the last addition and should be at least 60 seconds. Beto AES 4 may be combined with many other products and is compatible with all types of cements and cementitious materials.

DOSAGE

0,2 - 0,6 % by cement weight. 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 AES 4 is supplied in:

- 1 kg plastic can
- 5 kg plastic can
- 10 kg plastic can
- 1000 kg plastic can.

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 AES 4 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	
Composition	Oleate
Appearance	Liquid
Colour:	Light yellow
Density:	1.05 kg/Lt at +20°C
Equivalent sodium oxide:	≤ 1.5%
Total Chloride Ion Content	≤ 0,10 %
pH-Value:	11



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