

Water-retaining agent for semi-dry concrete

AREA OF USE

Cementol SMB Drop is a water-retaining and hydrophobic agent for all types of concrete, but it is especially effective in the production of semi-dry concrete products such as paving blocks, kerbstones, concrete blocks, roof tiles, etc. It enables the production of concretes with higher densities and lowers capillary water absorption because concrete structures have fewer capillaries. Increases freezing resistance. Concretes made with Cementol SMB Drop have a strong water-repellent surface.

TECHNICAL CHARACTERISTICS

| Characteristic | Declared value |
|----------------|--------------------|
| Appearance | White liquid |
| Density, 20 °C | [0.99 ± 0.02] kg/L |
| pH | 6.0 ± 1.0 |

ACTION

Cementol SMB Drop binds to the surface of cement particles through chemical and physical adsorption, orienting the hydrophobic part of the molecule inside the capillary, making the capillary walls water-repellent. As a result, we achieve greatly reduced capillary absorption of water and thus improved resistance to freezing and thawing cycles, less chloride penetration, and a lower possibility of efflorescence.

DOSAGE AND INSTRUCTIONS FOR USE

The usual dose is 0.5 - 1.5% of cement weight [0.5 - 1.5 kg per 100 kg of cement].

The optimal dosage is determined by preliminary tests with materials that are actually used in the production plant with the available production equipment.

It is dosed diluted with mixing water in order to prevent a local reaction and enables a better distribution throughout the concrete mixture.

Before using a higher number of admixtures in a concrete mixture, we advise preliminary investigations. In this case, they must be added to the concrete mixture separately [one after the other].

Stir before use.

To achieve the best results, use Cementol SMB Drop in conjunction with Cementol SMB or, even better, Cementol SMB Airmix.

PACKAGING

jerry-cans 10 kg, drums 50 kg

STORAGE

- The product must not freeze and must be stored at room temperature [from +15 °C to +30 °C]. Protect the product from damage and direct sunlight.
- A properly stored product has a shelf life of at least 6 months after the date of manufacture.
- The product may still be used after the date of expiry, but the characteristics important for the intended use have to be examined.

HEALTH, SAFETY AND ECOLOGY

No special measures are required when working with Cementol SMB Drop. Follow the general instructions for working with chemicals: take care of cleanliness, do not eat, drink or smoke while working. After finishing work wash hands thoroughly with water.

More information on safe handling and disposal of the product is available in the safety data sheet, which is provided on request and is also available from the dealer or distributor where you purchased the product.

WARNING

Instructions and recommendations are given based on examinations in our laboratories and experience to date. Due to specific conditions and work methods, preliminary tests are advised for every type of use, for each individual case of use of the product alone, or in combination with other admixtures.

Since we cannot influence the course of work, we cannot be held responsible for its quality!



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