

Plasticizer for semi-dry concrete

## AREA OF USE

Cementol SMB is a plasticizer designed to improve the overall quality of all types of concrete and is especially suitable for the production of concrete products made from semi-dry concrete, such as pipes, paving stones, concrete blocks, etc., as well as cement screeds. It is also suitable for the production of cement screeds with underfloor heating.

It allows for a 5 to 10 % reduction in mixing water, depending on the type and quantity of cement and the product dosage. Improves the workability of concrete, allowing for better compaction and, as a result, higher concrete weights and strength.

## TECHNICAL CHARACTERISTICS

Characteristic	Declared value
Appearance	Dark brown liquid
Density, 20 °C	[1.13 ± 0.03] kg/L
pH	4.5 ± 1.0

## ACTION

Due to its composition, Cementol SMB effectively disperses cement particles, allowing for better homogenization. Due to the higher active surface area of the cement, it also ensures its higher efficiency and hydration, consequently allowing for a lower cement dose.

## DOSAGE AND INSTRUCTIONS FOR USE

The usual dose is 0.2 – 0.5% of cement weight [0.2 – 0.5 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 prior examinations. In this case, they must be added to the concrete mixture separately [one after the other].

Stir before use.

## ADVANTAGES OF USAGE

Concretes prepared with Cementol SMB are easier to install and compact, resulting in higher concrete product strengths. Concretes are not sticky and do not adhere to the ram.

## PACKAGING

drums 50 kg, IBC containers 1 m<sup>3</sup>

## STORAGE

- The product should be stored at temperatures between +5 °C and +35 °C. We need to protect it from damage, freezing and direct sunlight.
- A properly stored product has a shelf life of at least 1 year 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

When working with Cementol SMB, wear protective gloves. 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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