

Plasticizer for semi-dry concrete

AREA OF USE

Cementol SMB Airmix is designed for the manufacture of concrete products from semi-dry [earth-moist] concrete, particularly where greater resistance to freezing and thawing in the presence of de-icing salts is required. It improves processing and compaction while also providing nice impression surfaces and intense colours.

TECHNICAL CHARACTERISTICS

Characteristic	Declared value
Appearance	Yellow-brown liquid
Density, 20 °C	[1.06 ± 0.02] kg/L
pH	5.7 ± 1.0

ACTION

Cementol SMB Airmix improves cement and pigment wettability and homogenization. It effectively disperses cement particles, allowing for greater hydration or improved cement efficiency. Its lubricating action improves the compaction and workability of fresh concrete mix, allowing for the creation of nicer, enclosed surfaces. It also reduces capillary water absorption of concrete and increases its resistance to freezing and salt.

All these properties enable concretes prepared with Cementol SMB Airmix to have higher strengths, improved resistance to freeze/thaw cycles and salts, a nicer appearance, more intense colours, and a lower possibility of efflorescence.

DOSAGE AND INSTRUCTIONS FOR USE

The usual dose is 0.4 - 1.0 % of cement weight [0.4 - 1.0 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.

PACKAGING

drums 50 kg, IBC containers 1 m³

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 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

No special measures are required when working with Cementol SMB Airmix. 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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