

Plasticizer of earth-moist concrete

AREA OF USE

Cementol Concrete Floor can reduce the amount of mixing water by 5 to 10 %, depending on the type and quantity of cement and the dosage of the product. Improves the workability of concrete, allowing for better compaction and, as a result, higher concrete weights and strength.

It is suitable for the general improvement of the quality of all types of concrete, but is particularly suitable for the production of dry cement screeds and screeds with underfloor heating.

ACTION

Due to its composition, Cementol Concrete Floor effectively disperses the cement particles, thus allowing better homogenisation and therefore a higher cement yield and hydration rate.

The improved fluidity of the fresh concrete mix allows for easier installation and better cladding of the heating pipes without "empty pockets".



TECHNICAL CHARACTERISTICS

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

DOSAGE AND INSTRUCTIONS FOR USE

The recommended dosage is 0.2 - 0.5 % by weight of cement [0.050 - 0.125 kg per 1 bag of cement], depending on the desired effects and working conditions.

For the preparation of good quality concrete, in addition to sufficient cement, natural/crushed sand and coarse aggregate of the appropriate grain size and composition, and drinking water are used.

The concrete admixture is dosed diluted with the necessary mixing water. This prevents local reaction and allows it to be evenly distributed throughout the concrete mix.

Instructions for mixing concrete of normal consistency:

- cement : aggregate = 1 : 3 to 1 : 5 [parts by volume]
- cement : water = 1 : approx. 0.5 [weight parts]

Switch on the concrete mixer and add the sand and then the cement while mixing. Mix the dry mixture first, then add one part of the mixing water and the concrete admixture previously diluted with water in a ratio of 1 : 5 [1 part of Cementol Concrete Floor + 5 parts of water] while mixing. Mix the mixture for a while to allow the additive to take effect, then add the remaining water while mixing.

Mix the concrete mix for about 3 minutes to obtain a homogeneous fresh mix.

Cementol Concrete Floor is compatible with other admixtures such as Cementol Wintermix Concrete and Cementol Concrete Contact.

If several admixtures are used in one concrete mix, they must be added separately [one after the other].

Mix before use.

PACKAGING

cans 5 kg and 10 kg

STORAGE

- The product should be stored at temperatures between +5 °C and +35 °C. Protect it from damage, freezing and direct sunlight.
- A properly stored product has a shelf life of at least 2 years 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

Protective gloves must be worn when working with Cementol Concrete Floor. 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 tests 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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