

Viscosity modifying admixture

AREA OF USE

Cementol Gostilec L is a viscosity modifying admixture - stabilizer which reduces the secretion of water from concrete. In this way, it reduces the risk of concrete segregation and enables the preparation of cohesive, thixotropic concrete.

Due to its mode of action, it is particularly suitable:

- For the preparation of concretes with high-slump or flow with added superplasticizers – reduces the possibility of segregation,
- For high-flowable self-compacting concrete with added hyperplasticizers – reduces the possibility of segregation,
- For the preparation of more cohesive/thixotropic concrete for underwater concreting – reduces the possibility of concrete paste washing out.
- For the production of concretes with low water content at high temperatures – reduces the risk of water loss.

TECHNICAL CHARACTERISTICS

| Characteristic | Declared value |
|----------------|-------------------|
| Appearance | Milk-white liquid |
| Density, 20 °C | Approx. 1 kg/L |
| pH | 2.8 ±0.5 |

ACTION

It thickens significantly in high pH systems [cement systems]. In this way, the viscosity and cohesion of the cement paste in the concrete is greatly increased, which prevents segregation. At the same time, the shear force of the yield is not increased, so the concrete remains nicely workable.

DOSAGE AND INSTRUCTIONS FOR USE

The recommended dose is 0.02 - 0.2% per weight of cement [0.02 - 0.2 kg per 100 kg of cement], depending on the purpose of the concrete, the desired concrete properties, and the type of cement used.

To determine the exact dosage, preliminary tests must be performed with the materials that will actually be used under the same temperature conditions. In exceptional cases, based on preliminary tests, the dosage can be increased if we confirm that it will not have an adverse effect on other required concrete properties.

We follow the basic principles for preparing SCC concretes when preparing such concretes.

It is dosed:

- diluted with mixing water, or
- on the already prepared fresh concrete mix.

The mixing time should be extended accordingly to distribute the admixture evenly over the concrete mixture.

Cementol Gostilec L is compatible with many admixtures, such as: plasticizers from the Cementol Delta family, superplasticizers from the Cementol Zeta family, hyperplasticizers from the Cementol Hiperplast family, air-entraining admixtures from the Cementol Eta family.

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

Stir before use.

When designing a concrete mixture, we respect the requirements and principles of the EN 206 standard: Concrete - specification, performance, production and conformity, as well as the relevant national provisions.

During concreting and curing of fresh concrete we respect the principles of good practice.

PACKAGING

jerry cans 10 kg

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 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

No special measures are required when working with Cementol Gostilec L. 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.

We recommend special attention and consultation with the technical service when using Cementol Gostilec L in self-compacting SCC concrete and/or in combination with air-entraining admixtures.

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



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