

BETONAC®-BVD

WATER REDUCING AND RETARDING ADMIXTURE

Product Description

BETONAC®-BVD is a special combination bases an purified lignosulfonates and retarding agent

Uses

To increase the setting time of concrete and maintain workability, to improve the effectiveness of the water content in concrete mixes, to achieve - increased workability without loss of ultimate strength and without loss of workability or reduction in cement especially in high ambienttemperature.

Advantages

- Retardation without loss in strength.
- Extended placing times - Larger pours workability maintained with less cement.
- Increased ultimate strength - higher strength without increase in cement or rduction in workability
- Improve workability - Easier, quicker placing and compaction.
- Used in hot climates.
- Reduces bleeding and segregation.
- Gives concrete lower permeability hence improved durability.
- Cement saving - Strength specifications and workability maintaine with less cement.
- Used for ready mix concrete.
- It imparts reduced creep and shrinkage and better bond with steel.

Standard

DIN EN 206-1, 3.1, 10 ASTM C494 TYPE A, D, G

Technical Data

Packaging

BETONAC®-BVD is delivered in bulk and is available in 240 kg drums and in IBC containers of 1200 kg

Application

BETONAC®-BVD is in the form of liquid and instantly dispersible in water. When added to concrete mixes, it enables the water content to perform more efficiently by causing the cement particles, which tend to agglomerate, to disperse and expose a larger surface area.

BETONAC®-BVD delays the initial hydration of the cement resulting in retarding of setting time, at the same time improves workability in high ambient temperature.

The hydration reaction can proceed more efficiently with less water. This effect is used to either improve workability, increase ltime strength or reduce cement content of concrete.

The retarding properties of BETONAC®-BVD can also offer special benefits in concrete where highcement content or high temperatures are involved.

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Product Data Sheet

Product No: 01.019

Reduction in cold joints for continuous concrete pours may also be obtained and used of flower cement mixes will reduce heat hydration and moisture movement.

Dosage

This normally varies from 0,1 to 0,4% (Type D) and up to 0,8 % (Type G) of cement weight dependent upon retardation or workability required. Final consumption to be determined by site tests.

Important Note

BETONAC®-BVD complies with ASTM C 494 - Type A, D and G and DIN EN 939 Type (BV) (VZ)

Legal notes

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