



BETONAC® - BVD2

WATER REDUCING AND RETARDING CONCRETE ADMIXTURE

DESCRIPTION

BETONAC®-BVD2 is an additive with special combination based on purified Lignosulphonate and retarding agent. It comes in the form of liquid which instantly disperses in water. When added to concrete mixes, it enables the water content to act more efficiently by dispersing the cement particles, which tend to agglomerate in normal cases.

USES

BETONAC®-BVD2 delays the initial hydration of cement resulting in delaying the setting time of concrete. The hydration reaction can proceed more efficiently with less water. This effect is used to improve workability, increase ultimate strength or reduce cement content of concrete. The retarding properties of BETONAC®-BVD2 can also offer special benefits in concrete where high cement content or high temperatures are involved.

ADVANTAGES

- ◆ Retardation effect without loss in strength.
- ◆ Improved workability - speeds placing of concrete and construction works.
- ◆ Reduces bleeding and segregation.
- ◆ Gives concrete lower permeability hence improved durability.
- ◆ Cement saving - Strength specifications and workability are maintained with less cement.
- ◆ Used in hot climates.

STANDARD

BETONAC®-BVD2 complies with ASTM C 494 Type D , DIN EN 206-1, 3.1,10
 (ASTM C 494 requirements: Type D: water-reducing and retarding admixture).

APPLICATION

The typical dosage of BETONAC®-BVD2 is between 1% to 2% of cement weight depending on the retardation or workability. The exact amount of additive should be measured accurately using a dispenser and should be added at the final sequence of the mixing process when concrete ingredients are wet using 25%-30% of mixing water.

Important Note: We highly recommend adding the additive at the final stage of the mixing process. No water to be added once the additive is used. Water will not increase the mix workability but will negatively affect the compressive strength of the mixture.

Trial mixes are also recommended.

**Curing**

Retarded concrete must be prevented from drying out. The use of LEYCO® CURASIN curing agent is strongly recommended.

TECHNICAL DATA

Density: 1.10 gm/ml \pm 0.02

Color: Brown

Packaging: Available in 220 kg drums or 1100 kg IBC's.

Storage/Shelf life: At least 1 year if stored in originally sealed packaging and protected from direct sunbeam, extreme heat and frost.

Legal notes

Whilst information and/or specification contained herein is to the best of our knowledge true and accurate, and is based on many years of experience, we cannot accept any liability either directly or indirectly arising from the use of our products, whether or not in accordance with any advice, specification or recommendation given by us, as we have no direct or continuous control over how or where our products are applied.

OUR PRODUCTS are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale 16.08.2011