



Product Description

BCI-Shot J1 is a completely alkali free accelerator available in liquid form for use with sprayed concrete for guniting, shotcreting etc.

Standard

Conforms to IS 9103-1999 (reaffirmed 2004) Edition 2.2 (2007-2008), ASTM C494/C494-08a, Type C, BS EN 934 and Enfac specification of sprayed concrete.

Uses

BCI-Shot J1 is used for sprayed concrete and mortar in galleries, tunnels, retaining walls, embankments, tank lining etc. Cement mortar admixture with BCI-Shot J1 sets rapidly, hence faster placing of higher thickness in one application is possible. Also less rebound loss while spraying concrete.

Advantages

- Alkali free ensures safer handling and operating condition in work place and does not encourage alkali aggregate reaction, hence produce sound concrete
- High build enables faster coverage with reduced rebound
- Can be applied more than 50 mm thickness in one application
- Allows spraying to take even on wet surface with running water
- Rapid setting leads to higher build spray and contributes good water tightness
- Does not contain any chloride
- Develops high early strength

Consistency

BCI-Shot J1 is formulated with selective alkali free ingredients and is manufactured under controlled conditions to give a consistent product.

Handling

BCI-Shot J1 is formulated from chemicals which has no fire or health hazards.

Technical Properties

Physical Appearance	Off White Liquid
Specific gravity	1.47 ± 0.02 at 27°C
pH	2.27±0.5
Dry Material Content	63±1
Chloride Content	0.2% Max.
Setting time (Testing using Gillmore apparatus)	Initial setting time within 3.45 Min. Final setting time within 6.30 Min.
Temperature	@ 27±2

Storage

If stored in undamaged sealed containers in dry condition at normal ambient temperatures, a shelf - life of 6 months can be expected.

Shelf Life

06 months if stored in original packing under shed and at normal ambient temperature

Dosage

Typical Dosage should be in between 4 - 7% by weight of cement depending upon the site requirement and ambient temperature. Maximum dosage upto 8% is permissible. Material must be stirred well before use to avoid any kind of settlement at the bottom of accelerator tank.

Compatibility

BCI-Shot J1 is compatible with other Berryman's admixture in same concrete mix. All admixtures should be added to the concrete separately. It is suitable to all types of OPC and cement replacement material such as PFA, GGBFS and Silica Fumes.

Packaging

BCI-Shot J1 is available in 275kg Carbuys

Health & Safety

Non-toxic, non-flammable, eco-friendly. In case of eye contact flush immediately with water, before approaching an ophthalmologist

BCI ADDITIVES INDIA LLP.

(Formerly : Berryman Chemical India Pvt. Ltd. Admixture Division)

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 www.bcia.in

Manufacturing Unit :

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- Ⓑ Goligram, Guskara Road, Near R.S. Rice Mill, Burdwan - 713 126. West Bengal.

Important: BCI Additives India LLP., products are guaranteed against defective materials and are sold subject to its standard terms and conditions of sale. It is the Customer's responsibility to satisfy themselves by checking with the Company whether the information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current Technical Literatures. However, BCI Additives India LLP. does not warranty or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendation relating to application and end use are given in good faith.