



### Product Description

BCI-Shot AF 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 AF is used for sprayed concrete and mortar in galleries, tunnels, retaining walls, embankments, tank lining etc. Cement mortar admixed with BCI-Shot AF 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 AF is formulated with selective alkali free ingredients and is manufactured under controlled conditions to give a consistent product.

### Handling

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

### Technical Properties

Physical Appearance	Off White Liquid
Specific gravity	1.42 ± 0.02 at 27°C
pH	2.27±0.5
Dry Material Content	57±1
Chloride Content	0.2% Max.
Setting time (Testing using Gillmore apparatus)	Initial setting time within 4 Min. Final setting time within 6 Min.
Temperature	@ 27±2

### Storage

If stored in undamaged sealed containers in dry condition at normal ambient temperatures, a shelf - life of 06 months can be expected.

### 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 AF 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 AF is available in 275kg Carbuouys

### 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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#### Manufacturing Unit :

- Ⓐ Plot No.636, KIABD 2<sup>nd</sup> Phase, KIABD Industrial Area, Vasanthnarsapura, Tumkur-572128. Karnataka
- Ⓑ Goligram, Guskara Road, Near R.S. Rice Mill, Burdwan - 713 126. West Bengal.

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