

Product Description

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

Standards

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

TechnoCrete Shot AF is used for sprayed concrete and mortar in galleries, tunnels, retaining walls, embankments, tank lining etc. Cement mortar admixed with TechnoCrete Shot AF sets rapidly, hence faster placing of higher thickness in one application is possible.

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

TechnoCrete Shot AF is formulated with selective alkali free ingredients and is manufactured under controlled conditions to give a consistent product.

Handling

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

Properties

Form	Liquid
Color	Light Yellow
Specific Gravity	1.39 ± 0.03 @ $27^{\circ}\text{C} \pm 3^{\circ}\text{C}$
Chloride Content	NIL (as per EN 934)
Air Entrainment	NIL

Storage

If stored in undamaged sealed containers in dry condition at normal ambient temperatures, a shelf – life of 4 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

TechnoCrete Shot AF is compatible with other Apcon 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.

Rate of Addition

The optimum dosage should be determined by site trials. As a guide, the rate of addition is done in the range of Dosage of Setting Time

TechnoCrete Shot AF by weight of cement	Initial Setting	Final Setting	Ambient Temp.	Relative Humidity
at 4%	2min. 50sec.	10min. 45sec.	33°C	64%
at 5%	2min. 45sec.	10min. 40sec.	25°C	50%
at 6%	2min. 50sec.	10min. 40sec.	18°C	62%

Packaging

TechnoCrete Shot AF is available in 250kgs Carbouys

Health & Safety

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

Important:Technokem 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,Technokem 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.

For Complaints/Suggestions:

Please write to our Customer Care Executive at

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