



RITE SHOT ACF

Alkali Free Liquid Accelerator for Sprayed Concrete & Mortars

DESCRIPTION

Accelerator is completely alkali free set 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 Efnarc specification of sprayed concrete.

USES

Accelerator is used for sprayed concrete and mortar in galleries, tunnels, retaining walls, embankments, tank lining etc. Cement mortar admixed with RITE SHOT ACF 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.

PROPERTIES

Form Liquid

Colour Light Yellow

Specific Gravity $1.39 \pm 0.03 @ 27^{\circ}\text{C} \pm 3^{\circ}\text{C}$

Chloride Content Nil (as per EN 934)

Air Entrainment Nil

CONSISTENCY

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

HANDLING

Accelerator is formulated from chemicals which has no fire or health hazard.

STORAGE

If stored in undamaged sealed containers in dry condition at normal ambient temperatures, a shelf – life of 04 months can be expected.

TYPICAL 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

Accelerator is compatible with other admixtures 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.



Accelerator

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 Accelerator by weight of cement	Setting Time			
	Initial Setting	Final Setting	Ambient Temp.	Relative Humidity
At 4%	2 Min. 50 Sec.	10 Min. 45 Sec.	33 Deg. C.	64%
At 5%	2 Min. 45 Sec.	10 Min. 40 Sec.	25 Deg. C.	50%
At 6%	2 Min. 50 Sec.	10 Min. 40 Sec.	18 Deg. C.	62%

WARRANTY

Our products are manufactured under stringent National / International quality norms and guaranteed against any manufacturing defect. Recommendation as per this data sheet are based on our team's combined practical experience and exposure over 20 years in the field of construction and are believed to be most appropriate. However, no liability can be accepted by us, as the conditions of use of such products are beyond our control.

TECHNICAL SERVICE

RITE ZONE has an advisory service on concrete mix design & application of right products at right place, can be contacted if assistance is required..

RITE ZONE maintains a technical division with highly qualified Technical Personnel to investigate and advise on subjects related to concrete and the Construction Industry. The Division will advise on the correct use and selection of right products at the right place.

RITE ZONE undertakes Consultancy Service for diagnosis and rehabilitation of distressed structures; undertakes / delegates jobs as a package for total waterproofing system with guarantee.

PACKING

Accelerator is available in 50, 100, 250 Kg drum.

PRODUCT INFORMATION

Although the basic formulation of our products generally remains unchanged production refinements arising from continuing research and evolution program may occasionally results in marginal changes in properties.

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