



## CICO SHOT P-AF

### Alkali Free powder Accelerator for Sprayed Concrete & Mortars

CICO SHOT P-AF is completely alkali free set accelerator available in powder form for use with sprayed concrete for guniting, shotcreting, etc.

#### USAGE

CICO SHOT P-AF is used for sprayed concrete and mortar in galleries, tunnels, retaining walls, embankments, tank lining etc. Cement mortar/ concrete admixed with CICO SHOT P-AF sets rapidly; where quick placing of mortar/ concrete is required.

#### ADVANTAGES

- i) As it is completely alkali free admixture, it does not promote alkali aggregate reaction in the concrete; hence enhancing soundness of the concrete.
- ii) Speeds up the work and contributes to good water tightness of the sprayed concrete lining.
- iii) Improves overhead spray and reduces rebound.
- iv) Does not contain any chloride which causes corrosion of steel.
- v) Develops early high strength.

#### CONSISTENCY

CICO SHOT P-AF is formulated with selective alkali free ingredients and is manufactured under controlled conditions to give a consistent product.

#### HANDLING

CICO SHOT P-AF is formulated from chemicals which has no fire or health hazard.

#### STORAGE

Stored in undamaged sealed containers in dry condition at normal ambient temperatures.

#### DOSAGE

The optimum dosage should be determined by site trials. As a guide, the rate of addition is done in the range of 2-5% by wt of cement and ambient conditions.

#### PACKING

CICO SHOT PAF is available in 25kg

#### PROPERTIES

Form	Free flowing powder
Colour	White to off white
pH Value 10% solution	2-4
Gillmore Setting Time <sup>1</sup> , minutes: seconds (Typical), at 23 degree C temp & 60-70% RH	
Initial setting time	< 3:00
Final setting time	< 12:00
Free alkali as Na <sub>2</sub> O, % (w/w)	< 1.0
Free chloride content as Cl <sup>-</sup> , % (w/w)	<0.1
Shelf Life	24 months

<sup>1</sup>Setting time was determined by using 43G OPC. In general, setting time is greatly dependent on quality and / or composition of cement.



#### Important Note:

All CICO products are sold in the market after strict Quality Control in line of ISO 9001 and guaranteed against any manufacturing defect. Although the basic formulation of Company's products generally remains unchanged, production refinements arising from continuing research and evaluation program may occasionally result in marginal changes in properties. CICO aspires to ensure that any recommendation, advice, test data, specification, method statement and other information given in this product datasheet is accurate and best of company's knowledge. Since, the company (CICO TECHNOLOGIES LTD) has no control over the selection of its product, applicators, application methodology, how and where it is applied, therefore, the company cannot accept any liability directly or indirectly arising from the use of its product. It is important to any customer, user or specifier satisfies him / herself that the product is suitable for the intended purpose including health, safety and environmental aspect. Unless or otherwise agreed in writing, all products of the company are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. All customers, users, specifiers should ensure that they examine the suitability of the product with company's latest product data sheet.

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