



HIND SET PAF

PRODUCT DATA SHEET

ALKALI FREE GUNITE AND SHOTCRETE ACCELERATOR IN POWDER FORM

DESCRIPTION

Hind Set PAF is a quicksetting as well as waterproofing agent available in Powder form in ready to use state for use in Dry Spray/Gunite mixes of mortar or concrete.

USES

Hind Set PAF is suitable for Dry Spray/Gunite mixes for Tunnels and Galleries, securing rock faces, embankments and excavations, this section concrete shells, swimming pool, concrete repair works, strengthening concrete structures.

ADVANTAGES

- Completely free from alkalis
- Allows spraying to take place even on wet substrate subject to slight infiltration
- Reacts in the mix to assist the hydration process resulting accelerated strength development within first 24 Hours
- Simplifies and improved overhead and lateral surface spraying.
- Reduced rebound loss.
- Completely free from chloride, nitrate and alkali aluminate/ carbonate and alkali silicate based formulations.
- Eliminates alkali silica reaction, which causes expansion and spalling of concrete structure made with alkaline accelerating admixtures

APPLICATION

The required amount of **Hind Set PAF** is mixed with dry cement-and-gravel mixture. Large quantity of dry-mix can be prepared provided dry aggregate is used and protected from moisture. When Guniting is interrupted care must be taken to ensure that water does not flow back in the supply hose causing the mix to set.

Dosage: Normally between 3 to 4% by weight of cement. When increased to 5 to 7% setting is quicker and curing time is much reduced.

The optimum dosage should be determined by Site/ Lab trials.

A typical example:

Dosage of Hind Set PAF	Initial Set time	Final Set time
3% - 4%	< 4 minutes	< 25 minutes
5% - 7%	< 3 minutes	< 12 minutes

The above results are based on Cement-OPC. 43 grade, temperature 27°C, by use of Gillmore Needle. Setting time may vary due to variation in temperature. Setting time tested as per ASTM C – 1102-68 Method of Test.

PROPERTIES

Aspect	White Powder
Solubility	Freely mixable with water
Bulk Density	850 Kg/cubic metre

SHELF LIFE

Best before 12 months from the date of manufacture in unopened condition. The material should be stored under shed and away from direct sunlight at temperature ranging between 5⁰ C (Min.) and 45⁰ C (Max.)

PACKING

25 Kg. Poly lined HDPE bag & or as required.

HANDLING PRECAUTION

Hind Set PAF is non-toxic but ingestion is to be avoided. If contact with eyes occurs, wash well immediately with water and seek medical advice.

Note:

- **Hindcon Chemicals** maintains a team of technically trained professionals to provide full support to your problems in construction, and recommend the correct product to suite your specific requirements. Our authorized applicators can attend your site for application of the products.
- The content of the Technical datasheet are for general information and guideline. The result shown here are generated from our laboratory or from our site experiences.
- Quality of our products are maintained as per ISO9001:2008 recommendations and continuous researches. The behavior can change as per the prevailing conditions at the time of applications.
- Since **HINDCON CHEMICALS LIMITED** has no control over the use to which the users may put the material, it does not claim or warrant that in the user's particular circumstances, the result that the user will obtain from the product will be the same as those described in this communication or that the user will find the information or recommendations complete, accurate or useful. The client must test and ascertain the safety and fitness for the product for use.
- The right to change the properties of the products is reserved with us. The proprietary rights of third parties must be observed. All orders are accepted subject to the terms of sale and delivery. Users must always refer to the most recent issue of the latest Data Sheet for the product concerned, copies of which will be supplied on request.

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