



An ISO 9001 : 2000 Company

**MANUFACTURER OF CONSTRUCTION CHEMICALS**

## SETSHOT PAF

### PRODUCT DATA SHEET

**AN ALKALI FREE GUNITE AND SHOTCRETE ACCELERATOR IN POWDER FORM.**

#### DESCRIPTION:

**Setshot- PAF** is a quicksetting, as well as water proofing agent available in Powder form in ready-to-use state for use in dry spray/ Gunite mixes of mortar or concrete.

#### USES:

**Setshot- PAF** is suitable for dry spray/ Gunite mixes for Tunnels and Galleries, securing rock faces, embankments and excavations, thin 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 improves 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, thereby avoiding expansion and spalling of concrete structure.

#### APPLICATION:

The required amount of **Setshot PAF** is mixed with dry cement- sand- 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 Setshot PAF	Initial Set time	Final Set time
3% - 4%	3'.00" – 4'.30"	25'.00" – 30'.00"
5% - 7%	2'.00" – 3'.00"	17'.00" – 22'.00"

The above results are based on, Cement –OPC. 43 grade, temperature 28 C, by use of Gillmore Needle, ASTM C – 1102-68 Method of Test.

#### Corporate Office:

P-89, C.I.T. Road, Kolkata - 700 010 Phone : 2353-9279 / 23632470.

Fax : 91-33-23733078 E-mail : setcrete@yahoo.com,

Website : www.setcrete.com

JAS-ANZ

