



SHOTSET-P

Gunite And Shotcrete Accelerator

DESCRIPTION

"**SHOTSET-P**" is a quick setting and waterproofing compound available in powder form for use with sprayed concrete or gunite. Rebound loss is also reduced substantially.

USES

"**SHOTSET-P**" is used for sprayed concrete and mortar in galleries, tunnels, for retaining walls, tunnels in hydro-electric projects, embankment and tank linings. "**SHOTSET-P**" admixed mortar sets rapidly, hence, quick placing of the wet mortar is essential.

ADVANTAGES

- ❖ Allows spraying to take place even on wet surface, subject to slight infiltrations.
- ❖ Speeds up the work and contributes to good water tightness of the sprayed concrete linings.
- ❖ Improves overhead spraying and reduces rebound.
- ❖ Does not contain any chlorides or nitrates and will not corrode steel.

PROPERTIES

Form : Powder

Colour : White

Chloride Content : Nil

Consistency : "**SHOTSET-P**" is formulated from carefully selected raw materials and is manufactured under controlled conditions to give a consistent product.

Handling : "**SHOTSET-P**" is formulated from chemicals, which present no fire or health hazards.

Storage : If stored in undamaged bags in dry condition at normal ambient temperatures, a shelf life of 6 months can be expected. This product is insensitive to frost.

METHOD OF USE

The required amount of "**SHOTSET-P**" is mixed with (dry sand + cement) or (Gravel + Sand + Cement) mixture. Large quantities of dry mix can be prepared if protected against moisture and use dry sand. When guniting is interrupted, care must be taken that water does not flow back in the supply hose causing the mix to set.

RATE OF ADDITION

The optimum dosage should be determined by site trials. As a guideline, the rate of addition is generally in the range of 2% to 7% by weight of cement.

PERFORMANCE

As per ASTM-266-74 (Gilmore Needle Apparatus).

Initial Setting Time :: Less than 3 mins.
Final Setting Time :: Less than 9 mins.
Cement used :: Ordinary Portland Cement (53 Grade).

Preparation of cement paste for testing was done as per ASTM C-187-74.

PACKING

"SHOTSET-P" is available in 50 Kg. Polythene Lined Gunny Bags.

TECHNICAL SERVICE :

SWC group maintains a technical division with highly qualified technical personnel to investigate and advise on subjects related to Concrete and the Construction Industry. The Division can advise on the correct use and selection of right products at the right place.

SWC undertakes Consultancy Service for diagnosis and rehabilitation of distressed structures. SWC undertakes Contracts on turnkey basis for total Waterproofing System with guarantee

NOTE : This Technical data sheet is to be used as guidance only. Although the basic formulation of the product remains unchanged, production refinements arising from continuing research and evaluation programmes may occasionally result in marginal change in properties. The recommendation and properties of the product based on continuous monitoring of the product are not intended to infringe on other patents.

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