

# VOLCRETE -W62 AF



Alkali-free liquid accelerator for the wet and dry mix shotcrete

## DESCRIPTION

VOLCRETE -W62 AF, wet and dry process shotcrete and to accelerate the setting time of application fees used in order to ensure impermeability, alkali-free, the ultimate high strength, a new generation of liquid additives.

## STANDARTS

TS EN 934-5

## APPLICATION

- \* Tunnels, mines and galleries.
- \* Creek beds, in the channel.
- \* In Rock and slope stabilization.
- \* Concrete surfaces in repairs.
- \* Dam surface
- \* Structural repair of deteriorated surface.
- \* Shotcrete lining concrete in construction.
- \* Thick layer at a time required shotcrete applications.
- \* TMB segments made behind Backfill grouting applications
- \* Water tanks.

## ADVANTAGES

The followings are the major advantages of VOLCRETE -W62 AF beyond the others:

- \* It can be applied to damp surfaces.
- \* Accelerate the setting time of the mortar.
- \* The amount of waste to a minimum.
- \* Spend gives high early strength. (+ 15-20%)
- \* Make the mortar and increases resistance to aggressive chemicals.
- \* It reduces the time of application.
- \* Tightness provide
- \* Easy and only because it improves the thixotropic properties of the mortar .It can be applied in layers at once.
- \* The mortar separation, does not sag.
- \* It does not contain chlorine.
- \* Suitable for use in different dosage forms
- \* Dust-free and provide a safe working environment.
- \* Alkali-silica reaction reduces the risk.

## COMPATIBILITY

VOLCRETE -W62 AF is compatible with the following;

- \* Apprped by ASTM Standard portland cement. ( PC 42,5 CEM I should preferably be used.)
- \* HI-CONTECH and TECH-VISCO series shotcrete additives
- \* Silica fume, fly ash mineral additives
- \* FIBER CONCRETE polypropylene fiber.
- \* FIBERMIX steel wire reinforcement

VOLCRETE -W62 AF VOLCRETE W 07 to contribute mix is not suitable..

## DOSAGE IN USE

VOLCRETE -W62 AF is supplied in liquid form ready for use.Dosage is between 3 to 10% by weight of cement used,depending upon mix desing, ambient temperature,substrate.

VOLCRETE -W62 AF is adjusted for different kinds of cement used and optimum dosage to be determined through tests at the jobsite.It is added into the ready mix concrete at the shotcrete nozzle with a dosage pump.

## PRECAUTIONS

VOLCRETE -W62 AF is alkali-free liquid;therefore the regular precautions as use of gloves and goggles are required, during handling.If contacted to skin, wash with water solution.If contacted to eye, wash the eyes with water solution.

## PACKING AND STORAGE

VOLCRETE -W62 AF is supplied in 1300 kg cubitainers or bulk.

When the material is waiting to be solved and frost + 30°C It should be mixed until it becomes homogeneous.

- \* Product reacting with ambient humidity or rain water It should be prevented from entering.
- \* The product should be avoided contact with air, filling closed system with It must be performed.
- \* It must not be stored in aluminum tanks.

VOLCRETE -W62 AF in protected and dry place, unopened packaging + 5°C / + 35°C shelf life when stored for at least 3 months.