

# DONCRETE-GP

## Product Details

### Chloride-free Grouting Aid

#### GENERAL:

**DONCRETE-GP** is a chloride-free grunting aid and in a powder form, specifically developed and designed to meet the demand for efficient and multifold properties desired at grunting job sites. **DONCRETE-GP** is suitable as admixture for all sprayed concrete and shot crating operations. **DONCRETE-GP** accelerates the rate of hardening and development of strength. By virtue of its formulation. **DONCRETE-GP** water proofs the mix and renders the sprayed mortars substantially impermeable in addition to plasticizing the mix.

**DONCRETE-GP** is formulated with carefully selected raw materials in view of making it suitable for use in most of mortar and concrete mixes, in which the use of calcium chloride or similar substances is undesirable. The reactive components rapidly combine with cement particles to accelerate the setting and hardening process thereby making the mortar or concrete rock hard minutes after setting. **DONCRETE-GP** lowers the material losses caused by rebound, thus reducing the cost of grunting.

#### ADVANTAGES:

- Accelerates the hardening process - the concrete is rock hard minutes after jetting.
- Contains no chlorides.
- Provides plasticizing properties thereby jetting is made easier.
- Increases water impermeability.
- Quickly seals water seepage like ground-water in tunnels, galleries, drifts and shafts.
- Provides high early and final strengths.
- Allows overhead grunting.
- Provides improved bonding properties.
- Can be used even at lower temperatures.
- Allows spraying on moist surfaces.
- Allow thicker layers in single operation (costs saving).
- Speeds up placing/jetting of gunited and sprayed concrete (costs saving).
- Reduces material losses caused by rebound (costs saving).

#### INSTRUCTIONS FOR USE:

**DONCRETE-GP** may be used with all standard types of cements like ordinary Portland cement, rapid hardening Portland cement, Portland, blast furnace cement etc. **DONCRETE-GP** should be added to properly graded and proportioned concrete/mortar dry mix at a rate ranging from 2 to 5% by cement weight depending upon the type and age of the cement, mix design, temperatures etc. In view of achieving optimum results **DONCRETE-GP** should be added to the concrete or mortar dry-mix comprising a good quality of fresh cement and well-graded dry aggregates/sand, and thoroughly mixed. Due to rapid setting water should not be added to the mix until jetting begins. Placing or jetting should be effected by the conventional methods taking into consideration the acceleration induced by admixing.

# DONCRETE-GP

## DONCRETE-GP.

It is necessary to conduct preliminary job-site tests incorporating **DONCRETE-GP** to determine suitability, optimum dosage, setting time etc. To determine the optimum dosage in a particular mix, it is advisable to make a trial by adding 3% of **DONCRETE-GP** and observe the setting time. If the setting is quicker than required, the dosage of **DONCRETE-GP** can be reduced and if the setting time is slower than the dosage can be increased gradually, if necessary up-to 5%. While making such trials and adjustments it should be ensured that the type and quality of cement as well as dry aggregate/sand grading is maintained constant. During the cold weather due to low temperatures the setting time is reduced. It may therefore be necessary to use warm gauging water or heated aggregates.

## PRECAUTIONS:

**DONCRETE-GP** is alkaline in nature. Avoid contact with skin any eyes. Accidental splashes should be washed liberally with water. In case of contact with eyes wash with water and obtain medical attention.

**PACKING:** 25 kg sacks, 1 kg bags

**STORAGE:** **DONCRETE-GP** is a non-combustible powder, which is slightly hygroscopic. Store in original containers, protected from direct sunlight and frost.

**SHELF LIFE:** 1 year.

## TECHNICAL COLLABORATION WITH



**Don Building Chemicals (India) Pvt. Ltd.**  
B-111-112, Santosh Complex, Vibhuti Khand,  
Gomti Nagar, Lucknow- 226010  
E-mail: [donbuildingchemicals@yahoo.com](mailto:donbuildingchemicals@yahoo.com)  
Website: [www.donbuildingchemical.com](http://www.donbuildingchemical.com)



**Doncrete USA Inc.**  
Governors Hwy 292, PA-8, Oil City  
PA-United States- 24601  
E-mail: [help@doncreteusa.com](mailto:help@doncreteusa.com)  
Website: [www.doncreteusa.com](http://www.doncreteusa.com)

CHLORIDE-FREE GRUNTING AID

DONCRETE -GP