



Conplast[®] Sprayset Powder

Powder accelerator for dry gunnite /shotcrete

Uses

Conplast Sprayset powder is used to provide a rapid set to sprayed concrete. This improves overhead spraying, permits thicker build in one pass and provides early support strength.

Advantages

- Rapid set allows faster build.
- Excellent for overhead spraying
- Minimises rebound loss
- Can allow spraying on surfaces subject to water ingress.

Description

Conplast Sprayset powder is a fine chloride free white powder which, when added to a cement/aggregate dry mix gives accelerated set upon addition of water at the spray nozzle.

Technical Support

The company provides a technical advisory service supported by a team of specialists in the field.

Properties

Chloride content	Nil
Initial setting	< 10 minutes
Final setting	< 30 minutes

(1 : 3 cement : Zone II Sand mortar with W/C 0.5 and 5% Conplast Sprayset Powder by weight of cement tested to BS 4551).

Application instructions

Dosage

Typical rate of addition is 2 to 6kg of Conplast Sprayset powder /100 kg of cement. The optimum rate should be found by site trials.

Application

Conplast Sprayset powder is added direct to the blending hopper containing the mixed cement and aggregate.

The accelerator only begins to work once water is added at the nozzle.

Caution

If moisture content of aggregate is above 3%, Conplast Sprayset powder should be added and blended immediately prior to spraying.

Overdosing

Conplast Sprayset powder can be used at rates upto 6kg/100kg cement. Overdosing may lead to setting before the concrete reaches the surface. The long term strength of an accelerated mix may not attain control strength if high dosage is used.

Cleaning

Any spillages should be washed with water.

Precautions

Health and Safety

Conplast Sprayset Powder is alkaline, and should not come in contact with skin and eyes. Avoid inhalation of dust during mixing.

Protective gloves, goggles and dust mask should be worn. If contact with skin occurs wash well with water. Splashes to eyes with cement slurry should be washed immediately with clean water and medical advice sought.

Storage

Conplast Sprayset powder has a shelf life of 6 months when stored in original unopened package.

Packaging

Conplast Sprayset powder is supplied in 15 kg plastic lined bags.

Additional information

Fosroc can supply a range of associated products to the mining, tunnelling and construction industries. Details are available on request.

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