

CHRYSO® Jet 10 AF

Shotcrete Accelerator – Alkali free



Description

CHRYSO® Jet 10 AF is an alkali free accelerator especially used for wet shotcrete applications. It starts up a sudden drop of slump and a thixotropic effect at the time of spraying. The reaction with cement particles is immediate. CHRYSO® Jet 10 AF can be used in combination with CHRYSO superplasticizers.

Indicative characteristics

- Nature : White beige Suspension
- Specific Gravity : 1.42 ± 0.020
- Compatibility : OPC & PPC
- Na₂O equivalent: $\leq 1.0\%$

Advantages:

Thanks to specific design formulation of the product, CHRYSO® Jet 10 AF allows spraying to take place even on wet surface subject to slight infiltrations. Provides faster setting time hence speeds up the work and contributes to good water tightness of the sprayed concrete linings. Improves durability. Makes shotcreting possible even with high slump concrete. Doesn't affect greatly the long term strength gain. CHRYSO® Jet 10 AF improves overhead spraying and reduces rebound loss and dust quantity. Does not contain any chlorides or nitrates to will not corrode steel. It also reduces alkali-aggregate reaction.

Domains of application

- Shotcrete
- Mines
- Protection of shafts
- Tunnels, shafts, galleries
- Slope stabilization
- Tank linings

Precautions

Not to be stored at high temperatures for long periods. Should be protected from frost.

Method of use

Dosage: Optimum dosage can only be established after

Trials. Normally, CHRYSO® Jet 10AF may be used at a dose of 4 to 8% on cement weight. The dosage depends on the required setting time, type of support, temperature, workability retention of concrete and type of cement. The support must be wet and dust free. It would be preferable to drain it from water. The product is introduced with a subservient pump, in the air which is added at the nozzle. A Mono pump (Screw pump) or Bredel pump (Hose pump) is recommended. Excess input of accelerator should be minimized by decreasing the vibration of the equipment. Accelerator nose and hose should be cleaned after working.

Shelf Life: If stored in unopened containers at normal ambient temperatures, a shelf-life of approximately 12 months.

Packaging

- 250 kg Barrel & Bulk in 10/15 KL Tanker

Safety

Before use, refer to the Material Safety Data Sheet. The MSDS is available on www.chryso.com.