

# CHRYSO®Jet IR 25 AF(F)

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### Alkali-free Non-caustic accelerator

#### ■ Features

CHRYSO®Jet IR 25 AF(F) is an alkali-free accelerator especially in case of wetcrete.

CHRYSO®Jet IR 25 AF(F) starts up a sudden drop of slump and a thixotropic effect at the time of spraying.

CHRYSO®Jet IR 25 AF(F) can be used in combination with superplasticisers like CHRYSO®Fluid Optima 100.

#### ■ Benefits

- High build enables faster coverage with minimised slump
- Can be applied up to 150mm in one application to vertical surfaces and up to 100mm overhead dependent on weight/volume of aggregate
- Non-caustic leads to safer handling/operating conditions
- Low rebound – controlled set allows new material to be embedded in applied mortar
- Chloride free liquid
- 28 Day strength not adversely affected

#### ■ Application

CHRYSO®Jet IR 25AF(F) can be used in every application in wetcrete, to realise thicknesses between 15 and 20 cm in vertical (10 to 15 cm in vault) with guaranteed initial strengths.

To enable high build of sprayed concrete, shotcrete and gunite without slump;

To provide set acceleration and reduce rebound

CHRYSO®Jet IR 25 AF(F) is used in all wet-mix shotcrete application.

1. Tunnelling
2. Gallery
3. Mining
4. Slope stabilisation
5. Shaft protection
6. All types of cement
7. Compatible with Micro silica, GGBS and Fly Ash.

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### ■ Description:

#### Characteristics:

**CHRYSO®Jet IR 25 AF(F)** is a chemically stable liquid.

1. Nature : Liquid
2. Colour : Pale Milky
3. Density :  $1.40 \pm 0.030$
4. pH :  $3 \pm 0.5$
5. Cl<sup>-</sup> ions content nil to BS 5075

**CHRYSO®Jet IR 25 AF(F)** does not contain any purposely added calcium chloride or other chloride based components. It will not promote or contribute to corrosion of reinforcing steel in concrete.

#### Packaging:

- Bulk
- IBC: 1000 L

### ■ Directions for use:

#### Dosage:

The optimum dosage of **CHRYSO®Jet IR 25 AF(F)** to meet specific requirements must always be determined by trials using the materials and conditions that will be experienced in use. This allows the optimization of admixture dosage and mix design and provides a complete assessment of the concrete mix.

A starting point for such trials is to use a dosage within the normal typical range of 3,0 – 10,0 litre/100kg of cementitious material, including PFA, GGBFS or microsilica.

Dosages outside the typical range suggested on this sheet may be used if necessary and suitable to meet particular mix requirements, provided that adequate supervision is available. Compliance with requirements must be assessed through trial mixes.

An overdose of double the intended amount of **CHRYSO®Jet IR 25 AF(F)** may result in only a limited effect on properties of build, set time, strength and gain. Contact the **CHRYSO®** Technical Service Department for advice in these cases.

#### Compatibility:

**CHRYSO®Jet IR 25 AF(F)** is compatible with all types of Portland cement, class C and F fly ash, slag, micro silica, calcium chloride, fibers and approved air entraining admixtures.

#### Storage:

**CHRYSO®Jet IR 25 AF(F)** has a minimum shelf life of 6 months provided the temperature is kept within the range of 2°C to 50°C. Should the temperature of the product fall outside this range then the **CHRYSO®** technical service department should be contacted for advice.

#### ■ Safety:

**CHRYSO®Jet IR 25 AF(F)** does not fall into the hazard classification of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes. Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately – do not induce vomiting.

**Refer to Material Safety Data Sheet available from CHRYSO.**

#### About CHRYSO:

Worldwide leader for cement and concrete additives for over 70 years, **CHRYSO** has been designing, producing, specifying and delivering its added-value solutions to the construction professionals with outstanding innovation and quality service. As a result, **CHRYSO's** brand and products have been associated with the most prestigious and demanding construction projects over the globe.

Manufactured under License by,



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