

CHRYSO® Fuge E

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Hydrophobic Pore-blocking Waterproofing Admixture

■ Features

CHRYSO®Fuge E reacts chemically with the free lime in the cement to form pore blocking solids, which obstruct the pore capillary action within the concrete.

Concrete and mortar treated with **CHRYSO®Fuge E** has increased resistance to water penetration, either by capillary action or under pressure.

CHRYSO®Fuge E does not significantly modify the characteristics of the fresh or hardened concrete.

■ Benefits

- Use of **CHRYSO®Fuge** and **CHRYSO®Fluid** will significantly reduce water absorption and chloride ion ingress.
- Integral waterproofing even if surfaces are damaged.
- Low environmental impact.
- Suitable with all cement types: OPC, SRC and cement replacement materials GGBS, PFA, SFA and microsilica

■ Areas of Application

CHRYSO®Fuge E is recommended for all concrete mixes where low water absorption and penetration is required, for high durability concrete.

1. Structural concrete.
2. Precast concrete.
3. Piling.
4. Coastal and marine structures.
5. Sub-surface concrete.
6. Water retaining concrete.
7. Water treatment works.
8. Desalination plants

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■ Description:

Characteristics:

CHRYSO®Fuge E is a chemically stable liquid.

1. Nature : liquid
2. Colour : White
3. Density : 1.014 ± 0.020
4. pH : 10 ± 2
5. Cl⁻ ions content: nil to EN 934 and BS 5075

CHRYSO®Fuge E 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:

- IBC: 1000 L
- Drums : 200 L

Standard specifications:

CHRYSO®Fuge E conforms to BS-EN 934-2

■ Directions for use:

Dosage

between 0.5 and 1.5 kg per 100 kg of cement. A 1.0 % dosage of the product to the weight of cement is commonly used.

CHRYSO®Fuge E is completely miscible in water. It should be added along with the mixing water to maximise its effect. The correct quantity of **CHRYSO®Fuge E** should be measured using a recommended dispenser.

The optimum dosage of **CHRYSO®Fuge E** can only be established after trial tests, taking into account local conditions, materials and specification requirements.

Because local job conditions vary, please contact your local CHRYSO sales representative for further assistance if using outside recommended dosage ranges.

Compatibility

CHRYSO®Fuge E 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.

Precaution:

- Store away from frost. Use **CHRYSO®Fuge E** at a temperature superior to 0°C.
- Should the product freeze, its properties can be recovered after thawing and agitating thoroughly.
- Spillage of **CHRYSO®Fuge E** should be absorbed onto sand earth or vermiculite and disposed through authorised waste management companies. Remnants can be hosed down with large volumes of water.
- Shelf life: 12 months.

■ Safety:

CHRYSO®Fuge E is alkaline and it is recommended that normal industrial precautions are taken : gloves, goggles. Refer to safety data sheet.

CHRYSO®Fuge E is non-flammable.

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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