

CHRYSO® Fuge ME 610

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Concrete admixture



Technical Datasheet

Hydrophobic Pore-blocking Waterproofing Admixture

■ Features

CHRYSO®Fuge ME 610 contains organic polymers which react with free lime produced during normal hydration to produce a hydrophobic material.

CHRYSO®Fuge ME 610 is supplied as a low viscosity colourless liquid that instantly disperses in water.

CHRYSO®Fuge ME 610 is chloride, bituminous and ammonia free.

CHRYSO®Fuge ME 610 is compatible with all CHRYSO®Fluid and CHRYSO®Optima ranges of superplasticizers.

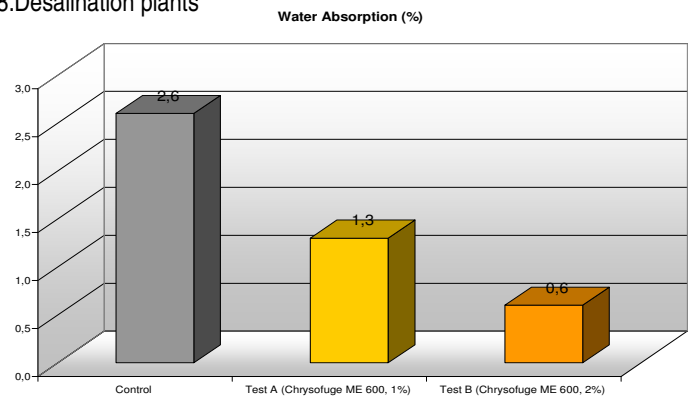
■ Benefits

- 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 ME 610 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 ME 610 is a chemically stable liquid.

1. Nature : liquid
2. Colour : Brown
3. Density : 1.18 ± 0.020
4. pH : 7.0 ± 2
5. Cl⁻ ions content: nil to EN 934 and BS 5075

CHRYSO®Fuge ME 610 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
- Drums : 215 L
- Pails: 20 L

Standard specifications:

CHRYSO®Fuge ME 610 conforms to BS-EN 934-2

■ Directions for use:

Dosage

Between 0.5 and 2.0 kg per 100 kg of cement. A 1.0 % dosage of the product to the weight of cement is commonly used.

CHRYSO®Fuge ME 610 is completely miscible in water. It should be added along with the mixing water to maximise its effect. The correct quantity of **CHRYSO®Fuge ME 610** should be measured using a recommended dispenser.

The optimum dosage of **CHRYSO®Fuge ME 610** 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 ME 610 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 ME 610** 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 ME 610** 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.
- **CHRYSO®Fuge ME 610** is compatible with other CHRYSO admixtures when used in the same concrete mix, but should be added to the mix separately and must not be mixed together prior to addition.

■ Safety:

CHRYSO®Fuge ME 610 is alkaline and it is recommended that normal industrial precautions are taken : gloves, goggles. Refer to safety data sheet.

CHRYSO®Fuge ME 610 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.

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