

# Chryso® Fuge C

Water resisting admixture

## DESCRIPTION

**Chryso® Fuge C** is a pore-blocking waterproofing admixture that reacts with free lime in cement to form water-repellent particles within the concrete matrix. These particles obstruct capillary action, significantly reducing water penetration through concrete and mortar.

Chryso® Fuge C enables concrete to resist water ingress both through capillary absorption and under hydraulic pressure, without significantly affecting the properties of fresh or hardened concrete. When used in combination with a plasticiser, enhanced water-repellent performance can be achieved.

## BENEFITS

- Reduces water penetration by blocking capillary pores
- Improves resistance to water pressure and absorption
- Does not significantly affect fresh or hardened concrete properties
- Enhances waterproofing performance when combined with a plasticiser
- Suitable for a wide range of concrete and mortar applications

## FIELDS OF APPLICATION

- Interlocking paving blocks
- Slabs
- Copings
- Foundation concrete
- Waterproof coating
- Reservoirs
- Blocks

Chryso® Fuge C is suitable for use in:

- Foundation concrete
- Waterproof concrete and coatings
- Reservoirs and water-retaining structures
- Concrete blocks and paving blocks
- Slabs and copings
- Interlocking paving units

## INDICATIVE INFORMATION

|                |           |
|----------------|-----------|
| Product Nature | Liquid    |
| Color          | White     |
| Lifetime       | 18 months |
| Freezing Point | -2 °C     |

## SPECIFICATIONS

|                                      |           |
|--------------------------------------|-----------|
| Cl <sup>-</sup> Ions content         | ≤ 0,100 % |
| Equivalent Content Na <sub>2</sub> O | ≤ 0,50 %  |

## METHOD OF USE

### Dosage :

0.3 to 1.5 kg for 100 kg of cement.

Recommended dosage range:

- **0.3 – 1.5 kg per 100 kg of cement**

Optimum dosage should be determined by trials based on mix design and required level of water resistance.

- This product is completely miscible in water.
- This product must be added to the mixing water.
- The optimum dosage of this product can only be established after trial tests, taking into account the rheological characteristics and the required mechanical performances of the concrete.
- The product is completely miscible with water
- Add directly to the **mixing water**
- Dosage is dependent on the concrete water/cement ratio

## PRECAUTIONS

- Protect from frost.
- In case of prolonged storage (bulk or barrel), before use, rehomogenise product by light agitation or mixing via a recirculating pump.
- Should the product freeze, it will recover its properties. After thawing, an efficient agitation is necessary until the product is entirely homogeneous again.

## NORMATIVE AND REGULATORY INFORMATION

- This product conforms to CE marking. The appropriate declaration can be found on our internet site.
- CONF08

Conforms to **NF 085 certification**, aligned with the non-harmonised part of **NF EN 934-2**

## SAFETY

The information contained in this document is given to the best of our knowledge and is the result of extensive and controlled testing. However, it cannot under any circumstances be considered as a warranty involving our liability in the case of misuse. Tests should be conducted before the product is used to ensure that the methods and conditions of use of the product are satisfactory. Our specialists remain at the disposal of customers if they require help with the application of the product for their specific needs.

CHRYSO UK Ltd. - 1 Herald Way, Binley Industrial Estate, Coventry, United Kingdom, CV3

P.1/2

# Chryso® Fuge C

Water resisting admixture

|                               |                |
|-------------------------------|----------------|
| Specific gravity              | 1,035 ± 0,010  |
| pH                            | 11,00 ± 2,00   |
| Dry Extract (SYNAD - IFSTTAR) | 49,20 % ± 2,50 |

Chryso®Fuge C is classified as **harmless**.

- Normal personal protective equipment is recommended
- Refer to the relevant Safety Data Sheet before use

For further information, please refer to the safety data sheet on our internet site [www.uk.chryso.com](http://www.uk.chryso.com).

## PACKAGING

- 20 L bucket
- 215 L Barrel
- Container of 1000L
- Bulk delivery on request