

# CHRYSO® Cim

Bonding resin

### DESCRIPTION

**CHRYSO® Cim** is a water based dispersion of fine copolymer particles such as butadiene and styrene.

**CHRYSO® Cim** is very stable in an alkaline environment and perfectly compatible with hydraulic cement.

### BENEFITS

- Increases mortar plasticity, cohesion and adherence
- Improves tensile strength, abrasion resistance and impact strength
- As **CHRYSO® Cim** is not affected by hydrolysis, it is ideal for surfaces in contact (permanent or occasional) with water including saltwater
- Decreases the modulus of elasticity, eliminates hair cracking, and reduces shrinkage and dusting.
- Improves mortar water tightness and resistance to oil, grease, fuel and weak acids.

### PACKAGING

- 20 L bucket
- 210 L drum

### FIELDS OF APPLICATION

- Floor repairs
- Cement grouts used to waterproof surfaces, cover the base layer of asphalt paving, rectify service defects, fill cracks (injection)
- Repair water retaining structures
- Base coats for renderings and toppings
- Cement renderings and mixed type renderings
- Base coat, waterproofing coat for plaster finishes
- Cement toppings not manually compacted
- Toppings containing special aggregates and cement (designed to resist wear and tear, dustproofed)
- Mortars used to finish and re-profile corners and external trim
- Bonding mortars for construction joints
- Jointing mortars for masonry
- Also used to glue traffic islands and sidewalk curbing to concrete or asphalt
- Jointing and caulking mortars for masonry joints, chimney stacks, mortar fillets etc.
- Smoothing and angles or spalling reprofiling mortars????

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Bonding resin

Chryso  
Concrete  
Solutions

17/10/2024

## INDICATIVE INFORMATION

Product Nature	liquid
Color	Milky white
Lifetime	12 months
Water solubility	Soluble
Halogen Dry Extract	46,00 % ± 2,00
Specific gravity	1,020 ± 0,020
pH	10,00 ± 2,00
Freezing Point	-8 °C
Viscosity (20°C)	150,0 cPs ± 100,00

## METHOD OF USE

### Volume guidelines:

- for mortars: 50g/m<sup>2</sup>/cm thickness,
- for bonding grout: 110g/m<sup>2</sup>/mm thickness.

### Preparation:

Preparation of the substrate: substrate must be in good condition, firm and clean, free from laitance, nonadherent areas, and grease.

Moisten substrate to saturation point and clean.

Temperature must be over 5°C.

#### A) Preparation of **CHRYSO® Cim** solution

- 1 part of CHRYSO® Cim and 2 parts of water.
- This solution is used for all mixing operations except plaster finishes.

#### B) Preparation of mixture for bonding grout, granulated finishes and grout using **CHRYSO® Cim**

- 50 kg of cement,
- 35 L of sand (0/3 mm).
- Mix to a creamy consistency with solution A (average of 1L of solution A for 3.5 kg of dry mix).

#### C) Preparation of mortar using **CHRYSO® Cim**

- 50 kg of cement,
- 35 L of sand (0/3 mm).
- Mix to desired consistency using solution A.

Mix by hand, as for a normal mortar, or in a cement mixer or agitator, until a homogeneous consistency is obtained.

Do not mix for a long time.

## PRECAUTIONS

- Agitate vigorously before use.
- Protect from frost.
- Shelf life information only applies to product stored in genuine packaging.
- Should the product freeze, it will recover its properties. After thawing, an efficient agitation is necessary until the product is entirely homogeneous again.

## SAFETY

Prior to any use, please read carefully the Material Safety Data Sheets.