

# CHRYSO®Deco Wash

Washable emulsified surface retarder  
Curing effect

## DESCRIPTION

Result of CHRYSO Research and Development, **CHRYSO®Deco Wash** range is the first washable emulsified surface retarder range, with curing effect.

The **CHRYSO®Deco Wash** range is composed of 4 solutions:

- CHRYSO®Deco Wash Nano
- CHRYSO®Deco Wash Mini
- CHRYSO®Deco Wash Medium Plus (see dedicated Technical Datasheet)
- CHRYSO®Deco Wash Maxi

With no solvents in its formula, the use **CHRYSO®Deco Wash** is easy:

- Water-based and non flammable product, it has moreover a nice odour.
- Spraying and formwork equipment can be rinsed with water.

## BENEFITS

- **CHRYSO®Deco Wash** enables to slow down the cement hydration reaction on the exposed surface of concrete.
- At the contact of fresh concrete, the emulsified surface retarder forms a continuous and protective film that ensures curing and allows protection in case of moderate rain.
- Due to its high curing performance, **CHRYSO®Deco Wash** allows good performance on hot and windy weather. In addition, with **CHRYSO®Deco Wash** it is possible to extend the washing window up to 24h according to the climatic conditions.

## PACKAGING

- 210 L drum
- IBC 1000L

## FIELDS OF APPLICATION

- Exposed aggregate concrete
- Street furniture
- Exposed aggregate facings
- Exposed aggregate highway barriers
- Exposed aggregate roadworks and slabs
- Architectural cladding units
- Parking areas and walkways

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## INDICATIVE INFORMATION

<b>Product Nature</b>	liquid
<b>Color</b>	According to colour chart
<b>Lifetime</b>	12 months

## METHOD OF USE

### JOBSITE PREPARATION AND IMPLEMENTATION:

- Do not hesitate to humidify the form before pouring the concrete.
- It is recommended to protect the jobsites' surroundings (see complementary products' section).

### Mix design and application of concrete:

To obtain good results, a good concrete homogeneity is essential. Exposed aggregate concrete surface will be smoothed troweled. The use of quick-setting cement and or high cement content mix may reduce the depth of exposure of the aggregates. Moreover inert fillers quantity affects the final aesthetic aspect of the surface ("open" or "closed" aspect).

### Complementary products:

CHRYSO offers complementary products developed to work in synergy with **CHRYSO®Deco Wash** and contribute to improve the properties and durability of exposed aggregate concrete.

- To protect jobsite and ease the cleaning of the surroundings once concrete has hardened, the use of CHRYSO®Deco Film is recommended after substrate humidification. For some very porous substrates, it can be necessary to use a plastic film to achieve protection of the surroundings. A trial test should be carried out on site before application.
- The use of monofilament synthetic micro-fiber CHRYSO®Fibre MTec 12 (or similar) is recommended to increase the cohesion of the concrete to be surface retarded and to therefore ease its casting. CHRYSO®Fibre MTec 12 limit early concrete shrinkage and cracks, improving durability of the exposed aggregate concrete.
- The use of CHRYSO®Optima 100 gives a room to manoeuvre for big surfaces (the final aesthetic aspect is homogeneous even in case of delivery time hazards and of successive trucks).
- It is important to protect exposed aggregate concrete to ensure better durability. CHRYSO recommends the use of protection products CHRYSO®FiniSol or CHRYSO®RocaSol.

### Product application:

- If bleed water rises to the surface, wait until disappearance before applying **CHRYSO®Deco Wash**.
- Stir the product before use. Apply a uniform coat by spraying (Spray System nozzle TX 10 or TX 18, 4 bar pressure).

### Concrete removal:

The retarded cement matrix is usually washed out using high-pressure water (100-150 bars). The nozzle must be maintained at 20-40 cm away from the concrete surface. The spray should make a 45° angle.

## PRECAUTIONS

- Protect from frost.
- Should the product freeze, it will recover its properties. After thawing, an efficient agitation is necessary until the product is entirely homogeneous again.
- Store in dry ventilated conditions. Protect from heat.
- A pre-validation sample must be carried out using the concrete mix design used on site.
- Before application, imperatively protect the site surroundings, in particular all the supports for which the product is not intended.
- Concrete must have no bleeding water on the surface, and must be uniformly smoothed before application.

## SAFETY

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

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Washing window: between 4 and 24h after application according to concrete surface resistance, jobsite organization and climatic conditions. In case of severe weather (severe heat, strong winds), it is necessary to adapt the washing window.

### Implementation :

The table gives indicative information regarding the finish aspect according to the size of the aggregates. The selection of the proper grade to obtain the desired depth of etches depends on several parameters: cement dosage and type, w/c, workability, aggregates types, climatic conditions (temperatures, wind), concrete plasticity, jobsites organization etc..

Some tests should always be carried out on site to determine the most suitable grade and obtain the desired result.

### Consumption :

- 1 liter for 4 to 5 m<sup>2</sup> on average.