

CHRYSO®Deco Wash Medium Plus

Washable emulsified surface retarder
Curing effect

DESCRIPTION

Result of CHRYSO Research and Development, **CHRYSO®Deco Wash Medium Plus** is the first washable emulsified surface retarder, with curing effect, formulated to achieve medium etch depth.

CHRYSO®Deco Wash Medium Plus is user and environmentally friendly.

With no solvents in its formula, the use **CHRYSO®Deco Wash Medium Plus** 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 Medium Plus** 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 Medium Plus** allows good performance on hot and windy weather. In addition, with **CHRYSO®Deco Wash Medium Plus** it is possible to extend the washing window up to 24h according to the climatic conditions.

PACKAGING

- 20L Container
- 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

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INDICATIVE INFORMATION

Product Nature	liquid
Color	Yellow
Lifetime	9 months
Specific gravity	0,990 ± 0,020

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 Medium Plus** 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 Medium Plus**.
- 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-

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.
- Stir before use
- 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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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.

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 :

CHRYSO®Deco Wash Medium Plus reference will be chosen according to the esthetical finish desired. The selection of the proper grade to obtain the desired depth of etches depends on several parameters: cement dosage and type, w/c ratio, workability, aggregates types, climatic conditions (temperatures, wind), concrete plasticity, jobsites organization etc.

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

Consumption :

- 1 liter for 4 to 5 m² on average.