

CHRYSO®Deco Wash

Washable emulsified surface retarder

Curing effect



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

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.

Thanks to its original formula and 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 enlarge the washing window up to 24h according to the climatic conditions.

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.

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**

Indicative characteristics

- Nature: liquid
- Specific gravity: $1,060 \pm 0,020$

- Dynamic viscosity (at 20 °C): < 500,0 mPa.s
- Shelf life: 12 months

Reference	Color	pH	Finish aspect	Aggregates size (mm)
CHRYSO®Deco Wash Nano	Green	2,2	Very fine etch	0-6
CHRYSO®Deco Wash Mini	Blue	2,2	Fine etch	6-10
CHRYSO®Deco Wash Maxi	Grey	2,7	Strong etch	10-20

Domains of application

- Exposed aggregate concrete
- Street furniture
- Exposed aggregate facings
- Exposed aggregate highway barriers
- Exposed aggregate roadworks and slabs

Method of use

Consumption: 1 L for 4 to 5 m².

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:

In order to obtain good results, it is essential to have a good concrete homogeneity. Exposed aggregate concrete will be troweled and surface will be smoothed.

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).

CHRYSO®Deco Wash

Washable emulsified surface retarder

Curing effect



Reference choice:

CHRYSO®Deco Wash 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.

Complementary products:

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

- To protect jobsite surroundings in the most effective way and ease the cleaning of the surroundings once concrete has hardened, the use of CHRYSO®Deco Film is recommended after substrate humidification. A trial test will be carried out on site before application.
- The use of monofilament synthetic micro-fiber CHRYSO®Fibre MTec 12 (or similar) is recommended in order 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 apparition, permitting to improved overall durability of the exposed aggregate concrete.
- The use of superplasticizers from CHRYSO®Optima 100 series 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 them a better durability. In this context, CHRYSO recommends the use of protection products CHRYSO®FiniSol ou CHRYSO®RocaSol.

For more information regarding our complementary offer, refer to each product's specific datasheet.

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.

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. Some tests should always be carried out on site.

Precautions:

Storage between 5 and 35 °C.

CHRYSO® Deco Wash

Washable emulsified surface retarder

Curing effect



Safety

Before use, refer to the Material Safety Data Sheet.

The MSDS is available on www.chryso.com



The information contained in this technical data sheet is given to the best of our knowledge and the result from extensive testing - which were conducted in order to remain as objective as possible. However, it cannot, in any case, be considered as a warranty involving our liability in case of misuse or any different use of our products, other than those from the «Application» paragraph of this technical data sheet. Some application tests should be carried out before using the product to ensure that the methods of use and conditions of application of the product are satisfactory. Our technical assistance is at the disposal of the users. Please enquire for the most recent version of the technical data sheet, available on www.chryso.com.

CHRYSO S.A.S. - 19 Place de la Résistance - 92446 Issy-les-Moulineaux cedex - FRANCE - Tel.: +33 (0)1 41 17 18 19 - Fax: +33 (0)1 41 17 18 80



Page :3 / 3

02/09/2015