



CHRYSO®Deco Lav P

Positive Surface Retarders

DESCRIPTION

CHRYSO®Deco Lav P is a range of 8 “positive” aqueous surface retarders. The product is operator and environmentally friendly.

CHRYSO®Deco Lav P enables to delay the hydration of cement on the exposed surfaces of concrete. After cleaning the treated surface, the aggregate in the concrete is exposed.

No solvents are used in the formulation of the **CHRYSO®Deco Lav P** range, making it easier to use : it is unnecessary to protect any surrounding area. The spray equipment can be flushed with water.

Characteristics

- ◆ Nature: liquid
- ◆ Colour:

P01 :	Pink
P02 :	Green
P03 :	Blue
P04 :	Orange
P05 :	Peach
P06 :	Yellow
P07 :	Violet
P08 :	Red
- ◆ pH : P01 to P03: 3 ± 1
- ◆ pH : P04 to P08: 9 ± 1
- ◆ Dynamic viscosity at 20°C: < 500 mPa.s
- ◆ Shelf life : 12 months

Packaging

25 Litres buckets.

METHOD OF USE

Applications

- Pedestrians precincts and ground slabs.
- Cladding with visible aggregates.
- Urban structures
- Highway crash barriers in deactivated concrete.

Directions for use

Composition and application of the concrete :

In order to obtain good results :

- The concrete should be homogeneous.
- The concrete should only be vibrated for a short time (to avoid segregation) and wood float finished. A too high vibration of the concrete may expose the finer aggregates by separating the mix.
- Do not use mixes with high cement dosage or rapid hardening cements (see trials).
- Be aware that inert fillers affect the openers of the surface (“open” or “closed” aspect).
- We recommend the use of **CHRYSO®Fibre** synthetic fibres to increase the cohesion of the concrete to be deactivated and facilitate its casting.

We recommend to test **CHRYSO®Deco Lav P** on the surfaces near the fresh concrete (ie little painted pots, wall coatings, stones, etc...) to be sure that the deactivator does not dirt the elements.

Wait until bleeding water has disappeared (approx. 30 mins after pouring the concrete or mortar).

Agitate the product to ensure it is homogeneous.

Apply the product by spray (nozzle \varnothing 0.79 mm at 2/4 bars).

Yet, should there be watering down 2 or 3 hours after casting, the result would still be satisfactory.

Estimated dosage : 6 to 7 m² per litre of **CHRYSO®Deco Lav P**.

Exposing the aggregate :

Between 4 to 24 hours after application, depending on the climatic conditions, the concrete should be pressure tested with water at a pressure of 100 to 150 bars.

The operator will make sure to maintain the nozzle between 20 and 40 cm away from the concrete surface.

The jet should make a 45° angle with the concrete to be deactivated.

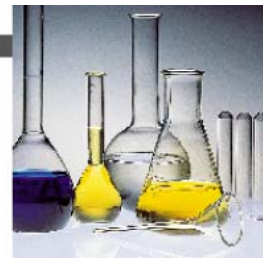
Should the product be exposed to strong wind and sun, with a temperature below 35°C, this operation should be conducted in between 4 to 12 hours. Above 35°C, the concrete should be washed between 4 to 8 hours.

Depth of exposure and CHRYSO®Deco Lav P to be used :

The depth of exposure depends on the aggregate size, and should be less or equal to 1/3 of the largest aggregate size.

The choice of the **CHRYSO®Deco Lav P** reference to use for a given result depends on many parameters (cement dosage, type of cement, Water/Cement ratio, handiness and climatic conditions).

CHRYSO have conducted numerous trials to establish which **CHRYSO®Deco Lav P** reference is appropriate; however site trials under actual conditions are essential to establish correct product performance.



CHRYSO® Deco Lav P

Positive Surface Retarders

Tests

The table below gives, for a given concrete formula, the influence of temperature on the exposure of the surface.

It should not be used as a reference as to the product to be used, since other parameters can come into consideration (Type of cement, Cement dosage, Temperature, ...)

Reference	Colour	Depth of exposure (mm)	Size of the aggregates (mm)
CHRYSO® Deco Lav P 01	Pink	Acid	-
CHRYSO® Deco Lav P 02	Green	~ 1	3 to 5
CHRYSO® Deco Lav P 03	Blue	~ 2	5 to 8
CHRYSO® Deco Lav P 04	Orange	~ 3	8 to 10
CHRYSO® Deco Lav P 05	Peach	~ 4	10 to 14
CHRYSO® Deco Lav P 06	Yellow	~ 5	14 to 18
CHRYSO® Deco Lav P 07	Violet	~ 6	18 to 25
CHRYSO® Deco Lav P 08	Red	~ 7	20 to 30

On-site trials under actual conditions will be necessary to define the exact depth of exposure needed.

SAFETY

CHRYSO® Deco Lav P is a product classified as « harmless ». It is recommended to wear normal protective equipment.

For further information, please refer to the safety data sheet on our internet site www.chryso-online.com.

The information contained in this document is given to the best of our knowledge and the results from extensive testing. However, it cannot, under any circumstances be considered as a warranty involving our liability in case of misuse. Tests should be carried out before any use of the product to ensure that the methods and conditions of use of the product are satisfactory. Our specialists are at the disposal of the users in order to help them with any problem encountered.

Last update : 08/06