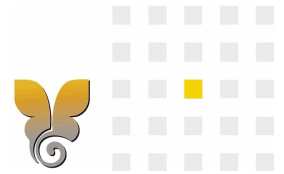


# CHRYSO® Revello Isy D

## In-form surface retarder with release agent functionality



Result of CHRYSO Research and Development, the patent pending **CHRYSO® Revello Isy D** is a range of water-based in-form surface retarders with additional release agent functionality.

The liquid **CHRYSO® Revello Isy D** becomes a dry film onto the mould surface (like paint would do). Thanks to its hybrid technology, the film releases at the contact of fresh concrete active agents that allows a precise and consistent depth etch and acts moreover as a release agent to avoid concrete build-ups in the moulds. Only light dusting remains on the mould that will be rapidly removed with a broom or a rag. It eases the mould-release of surface retarded panels and performs as good as traditional solvent-based in-form surface retarders.

Harmless to users, **CHRYSO® Revello Isy D** is a product that facilitates a lot the production of in-form exposed aggregates concrete.

### Indicative characteristics

- Nature: liquid
- Shelf life: 12 months

Reference	Halogen dry content	Viscosity	Colour	Etch depth	pH
CHRYSO® Revello Isy D50	40,5 % ± 2 %	> 100 cps	jaune	2	7
CHRYSO® Revello Isy D70	45,0 % ± 2 %	> 180 cps	gris	3	7
CHRYSO® Revello Isy D130	46,5 % ± 2 %	> 150 cps	blanc	4	7
CHRYSO® Revello Isy D200	52,5 % ± 2 %	> 250 cps	orange	5	7

### Domains of application

- In-form exposed aggregate concrete
- Concrete cladding
- Street furniture
- Architectural cladding units
- Precast sound-proof walls for motorways

### Precautions

Stir the product before use.

### Method of use

Consumption: 1 L for 8 to 10 m<sup>2</sup>.

#### Concrete mix-design:

In order to obtain good results, it is essential to have a good concrete homogeneity. Aggregates should be chosen according to the expected aesthetic result. A too strong vibration of the mix will make the bigger aggregates sink to the bottom.

#### Product choice:

Each **CHRYSO® Revello Isy D** product force is differentiated with a colour code. The right product force to obtain the targeted depth depends on several parameters: cement type, cement dosage, additives dosage, concrete mix-design... and temperature range. CHRYSO representative can advice the force to choose but an on-site trial should always be done to check the result acceptance.

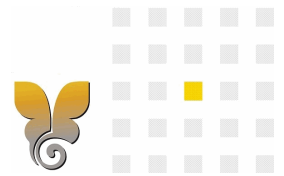
#### Application:

Thanks to its formulation, it is not necessary to use a primer before **CHRYSO® Revello Isy D** application. **CHRYSO® Revello Isy D** is applied directly on the mould surfaces in contact with concrete surfaces to treat. Moulds should be clean (no traces of concrete, grease or rust). Do not use any release agent nor before (moulds must be clean), neither after (inhibition of the surface retarding function) **CHRYSO® Revello Isy D** application.

Moulds shall be uniformly coated using a foam roller (to avoid running) in one coat without any run-downs or puddles.

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It is thus compulsory to coat the moulds without any run-downs or puddles to avoid concrete build-ups. Pay attention greasing the mould sides. In case of over-dosage, it could run on **CHRYSO® Revello Isy D** in place.

**CHRYSO® Revello Isy D** dries according to weather conditions:

- in summer, (30° C, 50 % moisture content) it will take 15-20 min to form a film resistant to concrete abrasion.
- in winter (5 to 10° C, 30 % moisture content), it will take 45 mn.

It is possible to speed up drying by heating the moulds.

At the time the film dried out, concrete can be poured.

Panels can be stoved or heated, subject to avoiding severe thermal shocks.

### Wash-out of concrete surfaces:

Washing out will occur after demoulding, 15 to 24 hours after concrete placement. The wash-out shall be done evenly (same operator) to guarantee a good reproducibility of the depth.

In case of series, wash-out the panels one after the other immediately after stripping, without intermediate storage. The wash-out will be done with high pressured water (100 bars) maintaining the nozzle at 50 cm away from the panel.

### Mould cleaning:

**CHRYSO® Revello Isy D** has been especially designed to avoid concrete build-ups in the moulds and leave a light dusting that can be easily removed with a broom or a rag.

## Safety

This product is classified as "harmless". In case of exposure, it is recommended to wear your protective equipment.

Before use, refer to the safety data sheet on our internet site [www.chryso.com](http://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](http://www.chryso.com).

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