

CHRYSO®Deco City

Pre-cut membrane for in-site decorative engraved concrete floors



Patent pending, **CHRYSO®Deco City** is a unique solution for in-site decorative engraved concrete floors.

CHRYSO®Deco City consists in a pre-cut membrane according to decorative patterns that allows the realization of decorative engraving. A surface retarder is then sprayed onto the membrane and the fresh concrete: the alternate of smooth and exposed aggregate concrete engraves irreversibly the pattern on the concrete floor.

The membrane is a Kraft paper especially designed for this application. Easy and flexible, it allows to produce standard or tailored-made patterns.

CHRYSO®Deco City offering includes:

- **CHRYSO®Deco City 80**: Catalog of 80 cm-width standard designs for the realization of complete floors.
- **CHRYSO®Deco City 40**: Catalog of 40 cm-width standard designs for the realization of frieze or complete floors.
- **CHRYSO®Deco City Pro 80**: Creation of unique design in 80 cm width.
- **CHRYSO®Deco City Pro 40**: Creation of unique design in 40 cm width.
- **CHRYSO®Deco City Art**: Creation of small length unique design (between 6 and 40 ml).

Use **CHRYSO®Deco City** in synergy with our surface retarder ranges: CHRYSO®Deco Lav P, CHRYSO®Deco Wash and CHRYSO®Deco Brush.

Indicative characteristics

- Nature: Membrane
- Shelf life: 24 months

| Name | Design width (hors marges) | Pattern width | Roll length | Qty in m² |
|------------------------------|----------------------------|---------------|-------------------|---------------------|
| CHRYSO®Deco City 80 S Pro 80 | 0.78 m | 0.80 m | 100 m | 80 m² |
| CHRYSO®Deco City 40 S Pro 40 | 0.38 m | 0.40 m | 100 m | 40 m² |
| CHRYSO®Deco City Art 80 | 0.78 m | 0.80 m | Between 6 & 40 ml | Between 4.8 & 32 m² |
| CHRYSO®Deco City Art 40 | 0.38 m | 0.40 m | Between 6 & 40 ml | Between 2.4 & 16 m² |

Domains of application

- Exposed aggregate roadworks and slabs

Precautions

Store in a dry place, away from light and any source of heat.

Store in its original packaging until use.

Method of use

Concrete mix-design:

CHRYSO®Deco City technology works with standard exposed aggregate concrete mix-design. The A/S ratio and the aggregate choice will be done according to the aesthetic finish desired. Nevertheless, to obtain a smooth surface finish, the following parameters are important to prevent bleeding concrete :

- Water/cement ratio = 0.5.
- Minimum of 350 kg of fine elements
- Use of a superplasticizer (CHRYSO®Fluid Optima 224 range) and of an air entraining agent (CHRYSO®Air R²).

Membrane preparation:

Remove the membrane from the packing only before starting production. The membrane must be cut progressively according to the realization of the jobsite. If the membrane has to be moved after cutting, it is necessary to roll it up again.

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Do not use a damaged or dented membrane since every defect on the membrane will create a defect on the concrete.

Concrete placing:

After pouring of the concrete, remove air by trowelling or floating in order to embed the aggregates in the cement paste. Make sure the surface is even to avoid to entrap air under the membrane. If necessary, float again the surface just before the membrane application.

Membrane application:

Set some landmarks without living marks on the concrete surface. Be sure there is no more bleeding (wait a minimum of 30 minutes after pouring according to local conditions).

Unroll the membrane progressively.

Make the membrane stick to the surface by a simple winding (1 pass) with a dry float. Do not press.

Check that the membrane bonds everywhere, especially where the pattern areas are likely to stick up.

Surface retarder application:

The choice of the surface retarder, washable (CHRYSO®Deco Lav P, CHRYSO®Deco Wash) or brushable (CHRYSO®Deco Brush) and of the etch depth will be done according to the jobsite parameters and to the final finish desired.

Spray the product evenly and without any excess, thanks to a flat nozzle (TX10 or TX18 type).

Leave the membrane on the concrete until washing out.

Washing out:

Wash out with high pressure water 24 hours minimum after the membrane. Check all surface has been washed out and that all patterns are revealed.

Protection:

To preserve the final result, we recommend protecting the surface with a liquid floor hardener.

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