

Technical data sheet

CHRYSO® Conseal

Concrete surface hardener

Description

CHRYSO® Conseal is a concrete surface hardener that reacts with the free calcium in concrete to form insoluble calcium silicate within the pores of the concrete.

Advantages

- Reduces dusting.
- Improves impermeability.
- Excellent adhesion and abrasion properties
- Creates a harder, denser concrete surface.
- Treated concrete resists the penetration of water.

Application guidelines

Use

- Concrete floors and walls.
- Concrete with a sufficient porosity level.
- CHRYSO® Conseal can be beneficially applied to water retaining structures and underground concrete to reduce dusting.

Directions

- CHRYSO® Conseal should be applied to the surface in 2 - 3 treatments, preferably allowing 1 day between each treatment.
- This application of CHRYSO® Conseal is intended for application to properly finished and protected floors.
- The finished floor must be protected against all evaporative conditions, including foot, or other traffic during application, including water ponding of the surface.
- Allow the floor to dry for as long as possible, preferably being treated just prior to hand over for installation of the racking systems.

Physical and chemical properties

- Physical state: Liquid
- Specific gravity: 1.075 (± 0.01)
- pH: 9 (± 1)
- Viscosity: 13 ford 4 (± 3)
- Dry extract: 9.5% (± 1)

Coverage

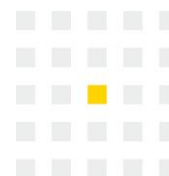
- A broad guideline is 6 to 8 m² per litre.
- Due to the widely varying degrees of porosity in concretes, coverage will vary significantly from job to job.

Surface Preparation

- Soiled or stained concrete should be thoroughly cleaned using a heavy-duty alkaline degreasing detergent.
- Clean the concrete surface to remove any dirt, debris, laitance, saw cutting slush, or any substance, that may prevent penetration and chemical reaction.
- Allow the floor to dry thoroughly, including joints and edges.

First treatment

- CHRYSO® Conseal should be diluted with an equal volume of clean water.
- After mixing, the product should be applied by brush or spray to the concrete surface.
- The product should be generously applied and absorbed into the surface.
- Mop up any pools of the product after each treatment as this could dry out to form a glassy layer.



Technical data sheet

CHRYSO® Conseal

Concrete surface hardener

■ Second and third treatments

- **CHRYSO® Conseal** should be applied undiluted, 24 hours after the previous treatment and up until the concrete will no longer absorb further treatment.
- Use a soft broom to apply **CHRYSO® Conseal** evenly onto the prepared concrete surface at a rate of $\pm 7 \text{ m}^2$ / litre.
- Work from saw cut to saw cut line or joint and avoid spillage into the adjoining panel, working in reverse.
- Mop up any pools of the product after each treatment as this could dry out to form a glassy layer.

Precautions

- Over time, as the floor wears **CHRYSO® Conseal** may need to be reapplied.
- Do not allow **CHRYSO® Conseal** to dry on any surface other than that being treated.
- Do not apply **CHRYSO® Conseal** unless concrete surfaces are protected from direct sunlight and evaporative winds.
- In hot weather, pre-dampen the hardened concrete surface with water to cool down the surface, and then apply **CHRYSO® Conseal** once surface water has evaporated.
- Do not allow any unreacted **CHRYSO® Conseal** to remain on the floor. The product is not designed to leave a film of unreacted material on the surface, which will leave unsightly stains that can only be removed by aggressive abrasion.
- The application of **CHRYSO® Conseal** to damp surfaces will result in the formation of white crystalline deposits which may be difficult to remove.

Storage

- If in the original sealed packaging, **CHRYSO® Conseal** has a shelf life of up to 12 months from the date of manufacturing.
- Should the product freeze, it will recover its properties after thawing and agitating.
- Avoid storing **CHRYSO® Conseal** in direct sunlight.

Packaging

- 25ℓ jerry can.
- 200ℓ drum
- 1000ℓ Flowbin

Health and safety

CHRYSO will provide onsite assistance when requested. Refer to the material safety data sheet.

The information contained in this document is given to the best of CHRYSO's knowledge and is the result of extensive testing. However, this document will not under any circumstances be considered as a warranty involving CHRYSO's 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. CHRYSO specialists are at the disposal of the users in order to assist them with any problems encountered.