

Technical data sheet

CHRYSO® Colourseal

Coloured concrete coating & surface hardener

Description

- CHRYSO® Colourseal is a water-based VOC-free durable, pigmented coating for interior and exterior applications.
- CHRYSO® Colourseal penetrates deep into the concrete forming a chemical reaction that locks the pores from within, providing a permanent seal on all types of concrete surfaces.
- CHRYSO® Colourseal chemically reacts with the free lime and forms an insoluble silicate mineral into the capillaries.
- CHRYSO® Colourseal increases surface hardness, stops the dusting phenomena and neutralizes the alkali process of concrete, thus the efflorescence.

Advantages

- Easy to apply & clean
- Can be used to rejuvenate concrete surfaces
- Warm earth & versatile colour range
- Quick drying, reduces turn-around time
- Excellent adhesion and abrasion properties
- Great alternative to paint and cem wash
- Reduces dusting
- Improves impermeability
- Creates a harder, denser concrete surface
- Eliminates delamination of the surface
- Stain resistant subject to sealer selection
- Treated concrete resists the penetration of water
- Easy to clean equipment with water

Physical and chemical properties

- Physical state: liquid
- Specific gravity: 1.1 (\pm 0.2)
- pH: 9.5 (\pm 2)
- Viscosity: 30 (\pm 20)

Application guidelines

Uses

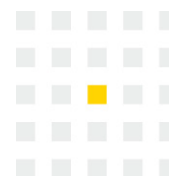
- Concrete floors & walls with sufficient porosity
- Paving blocks, facing blocks, flagstones, etc.
- Rooftiles
- Pervious concrete
- Exposed aggregate concrete

Directions

- The application of CHRYSO® Colourseal 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.

Surface Preparation

- Ensure all surfaces are clean and sound, free of oil, paint and contaminants that may impair the bonding properties of the product.
- CHRYSO® Colourseal will not penetrate into already sealed/painted surfaces.
- Soiled or stained concrete should be thoroughly cleaned using a high-pressure washer for effective cleaning.
- Allow the floor to dry thoroughly, including joints and edges.



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Application

Application Conditions:

- Surface Temperature: between 10° C - 35° C
- Humidity: 10% - 85% or 2° C above dew point
- Method: Brush/roller/Spray
- Coats: 2 coats are recommended

Drying Time:

- Touch Dry: 30 minutes
- Recoating: 1-2 hours
- Cleaning: Allow surfaces to cure for 24 hours before cleaning.

Coverage

- Roller Application: 5 - 7 m²/litre
- Spray Application: 7 - 9 m²/litre
- Application rates may vary subject to surface profile, irregularities and absorption rates.

Cleaning and Maintenance

- Tools, brushes and mixing equipment can be easily cleaned with water after use.
- Depending on climatic conditions, weathering of the product may be impacted over time.

Precautions

- Do not apply CHRYSO® Colourseal 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® Colourseal once surface water has evaporated.

- Avoid using any form of acid to prepare the surface as it depletes the available free lime of the concrete, which CHRYSO® Colourseal reacts to.
- Do not allow any unreacted CHRYSO® Colourseal 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® Colourseal 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® Colourseal has a shelf life of up to 12 months from the manufacturing date.
- Should the product freeze, it will recover its properties after thawing and agitating.
- Avoid storing CHRYSO® Colourseal in direct sunlight.

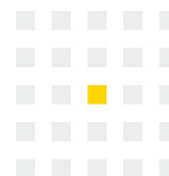
Packaging

- 25ℓ jerry can

Health and safety

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

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.



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Standard Colours

Colours are provided as a guidance only and exact colour matches will be dependent on the surface condition.

