

Chryso® Darakote 90WX

Curing Agent
Water based

Chryso
Concrete
Solutions

20/08/2026

DESCRIPTION

Chryso®Darakote 90WX is a **water-based, white wax curing membrane** designed to protect freshly placed concrete from rapid surface moisture loss. When sprayed onto fresh concrete, it forms an impermeable wax film that significantly reduces evaporation and ensures effective curing.

The product provides a simple, labour-saving alternative to traditional curing methods such as ponding or continuous wet curing, helping concrete achieve its planned strength and durability. Chryso®Darakote 90WX is suitable for use in both indoor and outdoor applications and does not emit solvent vapours or noxious fumes.

BENEFITS

- Prevents rapid moisture loss from fresh concrete
- Ensures effective curing and strength development
- Eliminates the need for ponding or continuous wet curing
- Single-application curing solution
- Water-based and solvent-free
- Safe for indoor and enclosed use
- Easy identification due to white appearance on application
- Does not damage or impair concrete properties

FIELDS OF APPLICATION

Chryso®Darakote 90WX is suitable for:

- Freshly placed concrete surfaces
- Pavements and slabs
- Roads and bridge works
- Aircraft pavements
- Structural concrete requiring compliant curing

INDICATIVE INFORMATION

Product Nature	Liquid
Color	Cloudy white
Lifetime	12 months

PACKAGING

- 15L Container
- Drum 205L

METHOD OF USE

Chryso®Darakote 90WX is supplied ready for use and **must not be diluted**.

- Spray evenly onto the concrete surface as soon as formwork is removed or once surface water has disappeared
- Recommended application using spray equipment with **fan nozzle 00**
- Do not apply to surface-dry concrete
- If surface has partially dried, lightly dampen before application (no standing water)

On application, the membrane appears white for easy coverage control. As it dries, the whiteness fades, leaving a clear wax film.

The film:

- Degrades mechanically through traffic abrasion
- Does **not** degrade through natural weathering
- Must be removed from vertical surfaces if subsequent surface treatments are planned

Consumption :

Typical coverage: **4.0 – 5.0m² per litre**

- Adequate curing may be achieved at extended coverage rates, but care must be taken not to apply the membrane too thinly

PRECAUTIONS

- Store above **0 °C**
- Protect from frost

Freezing will cause **irreversible damage** to the emulsion, and the product cannot be reconstituted.

NORMATIVE AND REGULATORY INFORMATION

When applied at a coverage rate of approximately **4.5m² per litre**, Chryso®Darakote 90WX:

- Exceeds **90% curing efficiency** in accordance with **BS7542**
- Meets the requirements of **ASTM C309, Type 1**
- Restricts water loss to **<0.55kg/m² over 72 hours** when tested to **ASTM C156**
- Complies with relevant **DOT and DOE specifications** for road,

The information contained in this document is given to the best of our knowledge and is the result of extensive and controlled testing. However, it cannot under any circumstances be considered as a warranty involving our liability in the case of misuse. Tests should be conducted before the product is used to ensure that the methods and conditions of use of the product are satisfactory. Our specialists remain at the disposal of customers if they require help with the application of the product for their specific needs.

CHRYSO UK Ltd. - 1 Herald Way, Binley Industrial Estate, Coventry, United Kingdom, CV3

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TECHNICAL DATA SHEET

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bridge, and aircraft pavement works

SAFETY

For health, safety, and environmental information, refer to the relevant **Safety Data Sheet (SDS)**.

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

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