

Technical data sheet **CHRYSO®Dem WB**



Release agent – delayed, wax based for timber formwork
on conventional jobsites

Description

CHRYSO®Dem WB is a wax based, delayed release agent that can be used on shutter board for conventional jobsites.

Advantages

- Reduces shutter board costs as it prevents the veneer on the shutter boards from delaminating. The formwork can handle a minimum of 6 casts before it is laminated again.
- Can also be used to coat pallets for protection.
- Easy shutter release once the concrete has set; without causing damage to the concrete and formwork.
- Reduces labour costs by minimising the cleaning of formwork due to the fact that concrete does not stick onto the forms.
- Does not stain or affect the colour of the concrete.
- Does not affect the adhesion of subsequent finishes and coatings. Plaster, paint and other coatings may be applied subsequently.
- Does not modify cement hydration
- Ready to use product – far more convenient and reduces the likelihood of errors that can occur if mixing is required.

Physical and chemical properties

- Physical state (@25°C): liquid
- Colour: black
- Specific gravity (@25°C): 0.82 – 0.87
- pH: 5 - 6
- Flash point: 160°C
- Not water miscible
- Viscosity (@25°C): 13 seconds (ford #4 cup)

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Application guidelines

Uses

- Ready to use
- Applied to shuttering prior to onsite casting of conventional concrete and the fixing of reinforcement
- Specially formulated for timber formwork

Directions

- **Before application**
 - Formwork must be stripped and cleaned of concrete and oil deposits.
 - **CHRYSO®Dem WB** is usually applied with a high pressure oil sprayer (easiest) but it can also be applied with a rag or brush.
 - With its low viscosity, **CHRYSO®Dem WB** will not clog fine jets (even at freezing temperatures).
 - A **CHRYSO** representative can help users select the correct sprayer.
 - **CHRYSO®Dem WB** must be applied in a continuous film, as thinly as possible – prior to the shutter board delivery on site.
 - Once on site, another film has to be applied before the shutter board is put in place.
- **After application**
 - Remove excess oil with a rag.
 - Concrete can be cast into the mould immediately after application.
 - Formwork should be re-coated if casting is scheduled more than 2 days after **CHRYSO®Dem WB** is applied.
 - After the formwork has been used, **CHRYSO®Dem WB** should be applied immediately to protect the formwork.
- **Coverage**
 - Coverage depends on how much the mould absorbs and on the method of application.
 - Wooden formwork: 25 – 35 m²/ 1ℓ

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Precautions

- This product should not be applied under a temperature lower than 10°C.
- Avoid excessive application
- Prevent and remove excess dust from accumulating on the surface of the formwork.

Storage

- If in the original sealed packaging, **CHRYSO®Dem WB** has a shelf life of up to 24 months from the date of manufacturing.
- Should the product freeze, it will recover its properties after thawing and agitating.
- Avoid storing **CHRYSO®Dem WB** in direct sunlight
- Avoid direct contact with water (especially rain water)

Packaging

- 25ℓ non returnable container
- 200ℓ non returnable container
- Bulk tanker loads

Health and safety

This product is classified as combustible and ecotoxic. **CHRYSO** will provide onsite assistance when requested. Refer to the material safety data sheet.

Disclaimer: 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 help them with any problems encountered.