

Technical data sheet **CHRYSO®Dem Oleo FW**



Release agent – delayed, mineral based, for conventional jobsites

Description

CHRYSO®Dem Oleo FW is a mineral based release agent for formwork on conventional jobsites

Advantages

- Easy shutter release once the concrete has set; without causing damage to the concrete and formwork
- Suitable on all types of formwork including rubber and polystyrene
- Temporarily protects metallic formwork from corrosion and extends the life of the formwork
- Reduces labour costs by minimising the cleaning of formwork due to the fact that concrete does not stick onto the forms
- Reduces the likelihood of imperfections and surface damage (particularly blow holes) to the concrete, creating more durable, blemish free and consistent concrete surfaces
- 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
- Water repellent and not affected by rain
- 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: opaque muddy brown
- Specific gravity (@25°C): 0.80 – 0.90
- Flash point: 140°C
- Freezing point: - 10°C
- Not water miscible
- Viscosity: 14 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
- Can be used on all types of formwork including rubber, latex and polystyrene
- Ideal for formwork suppliers

Directions

Before application

- Formwork must be stripped and cleaned of concrete and oil deposits.
- **CHRYSO®Environmentally Friendly Cleaning Agents** will facilitate the cleaning process.
- **CHRYSO®Dem Oleo FW** is usually applied with a high pressure oil sprayer (easiest) but it can also be applied with a short hair enamel paint roller.
- With its low viscosity, **CHRYSO®Dem Oleo FW** will not clog fine jets (even at freezing temperatures).
- A **CHRYSO** representative can help users select the correct sprayer.
- **CHRYSO®Dem Oleo FW** must be applied in a continuous film, as thinly as possible.

After application

- Remove excess oil with a rag.
- Concrete can be cast into the formwork immediately after application.
- Formwork should be re-coated if casting is scheduled more than 2 days after **CHRYSO®Dem Oleo FW** is applied.
- After the formwork has been used, **CHRYSO®Dem Oleo FW** should be applied immediately to protect the formwork from rust.

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Coverage

- Coverage depends on how much the formwork absorbs and on the method of application.
- Metallic/plastic formwork: 45 m²/1ℓ
- Wooden formwork: 25 – 35 m²/ 1ℓ

Precautions

- Avoid excessive application
- Prevent and remove excess dust from accumulating on the surface of the formwork.
- Not suitable for precast concrete

Storage

- If in the original sealed packaging, **CHRYSO®Dem Oleo FW** 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 Oleo FW** in direct sunlight.

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.