

Technical data sheet

CHRYSO® Dem Elio LSM

Release agent - Hydrocarbon oil based, for wet precast

Description

CHRYSO®Dem Elio LSM is a hydrocarbon oil based delayed release agent for metal and wooden formwork for the wet precast industry.

Advantages

- Ideal for formwork suppliers
- Easy formwork release - temporarily protects and extends the life of metallic formwork from corrosion
- Ready to use -no additions or dilution required..
- 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 affect the adhesion of subsequent finishes and coatings. Plaster, paint and other coatings may be applied subsequently
- Does not stain or affect the colour of the concrete, when applied correctly
- Does not modify cement hydration when applied correctly
- Water repellent and not affected by rain

Application guidelines

Use

Suitable for most types of formwork including:

- Metal (steel/aluminium)
- Wood (timber/plywood/resin ply/shutter board)

Physical and chemical properties

- Physical state (@ 25 °C): liquid
- Colour: light amber
- Specific gravity (@ 25 °C): 0.805 - 0.835
- pH: 6.5 - 7.5
- Viscosity: 10 - 15 secs (Ford # 4 cup)

Directions

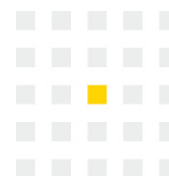
■ Before application

- The formwork must be stripped and cleaned of hardened concrete residue, dust, dirt, rust, oil deposits and any form of deleterious substance.
- CHRYSO®Environmentally Friendly Cleaning Agents will facilitate the cleaning process

- CHRYSO®Dem Elio LSM should be applied to the formwork prior to erection of formwork, the fixing of reinforcement and as near as possible to the first concrete pour

■ After application

- The formwork should be re-coated if casting is scheduled more than 2 days after CHRYSO®Dem Elio LSM has been applied
- In the event of exposure to dust and dirt, the formwork must be stripped and cleaned. CHRYSO®Dem Elio LSM must then be re- applied
- After the formwork has been used, it should be cleaned and CHRYSO®Dem Elio LSM should be applied immediately to protect it from rust



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Coverage

- CHRYSO®Dem Elio LSM needs to be applied as thinly as possible to the entire formwork surface, by means of an appropriate pressure spray, paintbrush or roller
- It is recommended to apply sprayable release agents with a constant pressure sprayer and a then to use a microfibre mop over the entire sprayed area, in order to ensure an even film thickness.
- Metallic formwork: 45 m²/1 ℓ
- Wooden formwork: 25 - 35 m²/ 1 ℓ

Precautions

- Avoid insufficient or excessive application. Too much is just as bad as too little
- Avoid the accumulation of excessive dust/dirt on the surface of the formwork
- Not suitable for plastic rubber, latex, polyurethane, polystyrene or fibreglass moulds
- Not suitable for steam curing

Storage

- If in the original sealed packaging, CHRYSO®Dem Elio LSM has a shelf life of up to 24 months from the date of manufacturing
- Avoid storing CHRYSO®Dem Elio LSM in direct sunlight
- In its stored state, CHRYSO®Dem Elio LSM should not come into direct contact with water or rain.
- Should the product freeze, it will recover its properties after thawing and agitating

Packaging

- 25 ℓ jerry can
- 200 ℓ drum
- 1000 ℓ flow bin
- Delivery on request

Health and safety

- CHRYSO®Dem Elio LSM is classified as combustible.
- CHRYSO will provide onsite assistance when requested.
- For more information 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 help them with any problems encountered.