

Technical Data Sheet - TDS



CIL Release Agent

Solvent Based Concrete Shutter Release Agent

PRODUCT DESCRIPTION

CIL Release Agent is a low viscosity liquid ready to use based on specially selected mineral oils with a chemically active release agent that is suitable for application to mould and shutter faces prior to casting concrete in order to obtain a clean release. The alkali reactive chemicals promote a water-repellent interface which protects both steel and timber formwork whilst ensuring the resultant concrete has a smooth, hard, uniform finish with reduced incidence of blow-holes.

CIL Release agent has no negative effect on the quality of the concrete nor it will affect the adhesion of subsequent coatings providing application is made at recommended coverage rate

APPLICATION AND USAGE

CIL release Agent is suitable for application to plywood, timber, steel and plastic faced formwork and moulds. It will provide quick and easy stripping and ensure high quality fair faced, stain free concrete.

ADVANTAGES

- ▶ Ready to use
- ▶ Non-Slip
- ▶ Spray or Roller / brush application
- ▶ Built in rust inhibitors
- ▶ Produces high quality concrete surfaces
- ▶ Ready to paint or seal
- ▶ Better result on wooden formwork

DIRECTIONS FOR APPLICATION

Preparation: New moulds, if extensive reuse is anticipated, treat new moulds with a polyurethane coating.

CIL Release Agent is ready to use and should be applied by conventional mould oil sprayer, brush or sponge.

CIL Release Agent should be applied in one continuous film as thinly and evenly as possible to avoid reflectance of oil on the concrete surface. If, after the first application **CIL Release Agent** is absorbed into the shutter a further application should be made. Excess material that pools should be wiped up with a sponge.

It should be noted that high coverage rates are achievable with **CIL Release Agent** and that only a thin film is required. Avoid over-coating.

CIL Technical Services are available on request for onsite support to assist in the correct use of CIL Products.

TYPICAL PROPERTIES

Appearance	Yellowish to Brown liquid
Specific gravity ASTM D1475	0.82±0.02 @25°C
Component	Single
Flash point	70°C
Chloride content	Nil

PACKAGING & STORAGE

CIL Release Agent is supplied in 20 & 200ltr drums, factory quality controlled and pre-weighed units. Unopened units should be stored in shaded warehouses at less than 25°C; shelf life 18 months from date of manufacturing.

HEALTH & SAFETY

As with **CIL** products care should be taken to avoid contact with skin, eyes, mouth and foodstuffs. Treat splashes to eyes, and skin immediately, by thorough washing with clear water. CIL Release Agent Harmful by inhalation, if swallowed and in contact with skin. Wear suitable gloves and eye/face protection

OTHER INDUSTRIAL SURFACE TREATMENT PRODUCTS AVAILABLE FROM CIL.

- ▶ **CIL Release Agent WB-** Water based Anti-corrosive Concrete Shutter Release Agent
- ▶ **CIL SoilPlus-** Compaction and Soil Stabilization Aid
- ▶ **RocCoat SS-** Highly penetrative solvent based silane siloxane protective coating
- ▶ **RocCure AC-** Acrylic based Non-Yellowing, Acrylic Curing and Sealing Compound
- ▶ **RocCure AL-** Resin Based Aluminum Pigmented Heat Reflective Curing Compounds

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Product representative or visit our website for current technical data and instructions.

Disclaimer

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer? Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and CIL makes no claim that these tests or any other tests, accurately represent all environments.

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