

Chemlease

Concrete Chemical Release Agent

Description

Chemlease is an internationally accepted formulation giving an optimum of release and concrete finish for all types of formwork. This is achieved by the chemical formation of complex soaps at the concrete interface which is a very different concept to conventional mould oils.

Advantages

- Reproduction of difficult features readily achieved with uniform matt finish
- Concrete cast against Chemlease requires no further treatment other than a light brushing prior to the application of plasters, adhesives, mortars and surface coatings
- Drying facility provides a safe walking surface on soffit shutters without transfer of oil to reinforcement or contamination to concrete surface
- Metal and timber forms are temporarily protected from the weather
- Suitable for use with all types of cement under all climatic conditions
- Incidence of blow holes and surface crazing greatly reduced
- Excellent rates of spread are easily attained using our specially designed spray equipment resulting in maximum economy on a low unit cost per square metre
- Chemical release greatly reduces stripping times, minimising cleaning and subsequent damage to formwork
- Ideal for use in precast or industrial operations where pre-stress or heated systems are involved
- Chemlease is unaffected by rain and may be applied either immediately before casting or treated forms may be left weeks before concreting

Technical Information

Flash point	47°C (118°F)
Specific gravity at 20°C	0.81-0.84
Saponification value	3-5
Freezing point	-25°C
Appearance	Low viscosity amber liquid

Average Coverage

Concrete, rough sawn timber	20-22 m ² per litre
Plywood	25-30 m ² per litre
Paper coated plywood	30-40 m ² per litre
Metal, fibreglass, plastics and plastic coated plywood	40-60 m ² per litre

Surface Preparation

The form surfaces should be clean and dry prior to the application of Chemlease.

Application Instructions

A thin even film of Chemlease should be applied using appropriate Nufins spray equipment or an absorbent applicator. Excess material in the bottom of the mould should be removed. Unsealed timber requires a double application prior to the first cast.



Recommendation

Chemlease is recommended for use with many types of specialised formwork and concreting systems, i.e. decorative plastics, flexible rubbers and G.R.C. etc. Chemlease is a flammable, solvent based liquid and it is not suitable for use in tunnelling or mining construction or in confined areas where ventilation is poor. For these applications and where expanded polystyrene formers are in use, Chemlease O.F. should be used.

Chemlease will provide temporary protection to steel shutters. For long term protection and storage of steels moulds and shutters, Chemshield is recommended.

Packaging

Chemlease is available in 20 and 210 litre drums and 1000 litre bulk tanks.

Storage

Chemlease is flammable, due precautions should be made when handling and storing this material.

The shelf life is 12 months when stored unopened in dry, normal conditions and away from direct sunlight. Protect from frost.

Health & Safety

Product Safety Data Sheets (SDS) are available from Nufins. SDS sheets are provided to help customers satisfy their safe handling, use and disposal needs as well as assist with any conformance requirements made locally by health and safety regulations.

SDS are continually updated to provide the very latest information to our customers. We therefore recommend contacting our head office to obtain the most recent and accurate SDS before handling and using any product.

Limitations

Formwork should not be stripped in less than 12 hours unless an accelerated curing system is employed.

Technical Note

Correct application of Chemlease will not cause concrete staining.

Disclaimer

The information contained herein is to the best of our knowledge true and accurate and is given in good faith but without warranty. The user will be deemed to have satisfied themselves independently as to the suitability of our products for their own particular purpose. In no event shall Nufins be liable for consequential or incidental damages.

Users must always refer to the most recent issue of the Technical Datasheets, copies of which will be supplied on request.

Technical Support

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors. Technical contacts are available to provide further information and arrange demonstrations.