



# CHEMLEASE

## Chemical Mould Release Agent for Concrete Formwork

### DESCRIPTION

'CHEMLEASE' is specially formulated blend of mineral oils and chemicals having released properties, which are superior to those of conventional mould oil. The chemicals react with the alkali in the concrete to form a thin water repellent skin on the surface of the mould, thereby enabling easy stripping from concrete and acting as a protection to steel and wooden formwork.

'CHEMLEASE' is supplied as a ready to use liquid for direct application and use.

### USE

It is used on most types of formwork to give an optimum release and quality of surface finish to concrete over a wide range of mix designs.

### ADVANTAGES

- Ideal for use on formwork manufactured from timber, steel fiber glass, plastics and specialised flexible materials.
- Provides a clean positive release even in intricate and difficult casting condition.
- Reduces labour cost, cleaning time and possible damages to the formwork.
- Supplied ready to use and can easily be applied by sprayers, squeegee or brush.
- 'CHEMLEASE' assists production of uniform matt stainfree concrete surface with reduced incidents of blow holes and surfaces blemishes.
- 'CHEMLEASE' is unaffected by strong sunlight, drying wind and foot traffic can be applied to damp formwork.
- On account of the high rate of coverage, the applied cost of 'CHEMLEASE' compares favourably with that of conventional mould oil. Having regard to the technical benefits additionally obtained, the overall economy of using 'CHEMLEASE' can be significant.
- Pockets of air trapped on the shuttered faces of the concrete, are a major cause of imperfections, necessitating remedial work. The hydrophobic surface produced by chemical reaction between 'CHEMLEASE' and cement repels surplus water at the interface of the mould, and by protecting the concrete from its effect preserves uniformity of surface texture and colour.
- Due to its excellent release properties, little or no deposit of cement paste remains on the shutter surface.

### PROPERTIES

Appearance	:	Clear low viscosity liquid
Specific gravity	:	0.8
Thinning	:	Not recommended
Consistency	:	'CHEMLEASE' is formulated from carefully selected raw materials and manufactured under control conditions to give a consistent product.
Storage	:	If stored in unopened container in dry condition at normal ambient temperature, a shelf life of 12 months can be expected. 'CHEMLEASE' should be kept away from naked flames.

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## METHOD OF APPLICATION

Preferably by low-pressure sprayer which will permit the quoted rates of spread to be obtained. Brush application may also be employed but the material should be well brushed out to obtain the most economical and effective results. Formwork should be preferably treated before being erected, thus avoiding the contamination of reinforcement. 'CHEMLEASE' should be applied to the formwork prior to each use but once applied can be exposed to weather conditions for upto two weeks in case of timber forms and upto three weeks in case of steel forms. On exposure for period longer than these a further application of 'CHEMLEASE' should be made. In precast works where moulds are struck in less than 12 hours, 'CHEMLEASE' should be made. In precast works where moulds are struck in less than 12 hours, 'CHEMLEASE' should be scrubbed onto clean working places. Where moulds are rusty or have a build up of old concrete they should be coated with 'CHEMLEASE' and left overnight.

Before use, they should be cleaned down and then scrubbed with 50% mixture of 'CHEMLEASE' and kerosene. This will clean the working surfaces and 'CHEMLEASE' can be used in usual manner.

## COVERAGE

25-60 sq. mtr. per litre, depending on type of form, porosity texture of surface and ambient temperature.

## PACKING

CHEMLEASE is available in 25 ltrs. Drums and 200 ltrs. Barrels.

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## TECHNICAL SERVICE :

*SWC group maintains a technical division with highly qualified technical personnel to investigate and advise on subjects related to Concrete and the Construction Industry. The Division can advise on the correct use and selection of right products at the right place.*

*SWC undertakes Consultancy Service for diagnosis and rehabilitation of distressed structures. SWC undertakes Contracts on turnkey basis for total Waterproofing System with guarantee*

**NOTE :** This Technical data sheet is to be used as guidance only. Although the basic formulation of the product remains unchanged, production refinements arising from continuing research and evaluation programmes may occasionally result in marginal change in properties. The recommendation and properties of the product based on continuous monitoring of the product are not intended to infringe on other patents.

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## THE STRUCTURAL WATERPROOFING CO.PVT.LTD.

Regd. Office : 21/1 Dover Road Calcutta- 700 019 **Dial :** 2475-2684/5378/9950, **Fax :** 2475- 8240  
Calcutta : Plot 38/1, Block-GN, Sector IV &V, Salt Lake City, Calcutta- 700 091  
**Dial :** 2357- 3546/3547 , **Fax:** 2357 3881  
Delhi Office : 406, Deepali, 92, Nehru Place, New Delhi - 110 019, **Dial:** 26445680 &  
26435432 **Fax:** 26416861  
Mumbai Office : 56, Mahavir Centre, Sector -17, Vashi , Navi Mumbai - 400 703,  
**Dial:** 27893601 (**Hunting**), **Fax:** 27893571 **E-mail:** swcbom@bom5.vsnl.net.in  
Chennai Office : 81, 3<sup>rd</sup> Floor, A, Sulochana Terrace, 1<sup>st</sup> Main Road, Gandhi Nagar, Adayar,  
Chennai-600 020 **Dial.** 24423731 **Fax** 24422476  
Bangalore Office : 104, Victoria View, Borewel Road, White Field, Bangalore – 560 066.  
**Telefax :** 080 – 3310112, **Email :** swcbangalore@yahoo.co.in