



ISO 9001:2000

CICO LEASE

Chemical Mould Release Agent for Concrete Formwork

DESCRIPTION : **CICO LEASE** is specially formulated blend of mineral oils and chemicals having release properties which are superior to those of a 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 form-work.

CICO LEASE is supplied as a ready to use clear low viscosity liquid for direct application and use.

USES : It is used on most types of form-work to give an optimum release and quality of surface finish to concrete over a wide range designs. Supplied ready to use and can easily be applied by sprayers, squeegee or brush. Need not be thinned.

FEATURES :

- * Ideal for use on form-work 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 form-work.
- * **CICO LEASE** assists production of uniform mat stain-free concrete surface with reduced incidents of blow holes and surface blemishes.
- * **CICO LEASE** is unaffected by strong sunlight, drying winds and foot traffic and can be applied to damp form-work.
- * On account of the high rate of coverage the applied cost of **CICO LEASE** compares favorably with that of conventional mould oil. Having regard to the technical benefits additionally obtained, the overall economy of using **CICO LEASE** 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 **CICO LEASE** 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.
- * Specific gravity - 0.8 ± 0.02

PROCEDURE 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. Form-work should be preferably treated before being erected, thus avoiding the contamination of reinforcement. **CICO LEASE** should be applied to the form-work prior to each use but once applied can be exposed to weather conditions for up to two weeks in case of timber forms and up to three weeks in case of steel forms. On exposure for period longer than these a further application of **CICO LEASE** should be made. In precast works where moulds are struck in less than 12 hours, **CICO LEASE** should be scrubbed onto clean working moulds. Where moulds are rusty or have a build up of old concrete they should be coated with **CICO LEASE** and left overnight.

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

COVERAGE

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

STORAGE

: If stored in unopened container in dry condition at normal ambient temperature, a shelf life of 12 months can be expected. **CICO LEASE** should be kept away from naked flames.

PACKING

: **CICO LEASE** is available in 5 Litre, 20 Litre and 200 Litre bucket/ barrel.

PRODUCT INFORMATION

: Although the basic formulation of our products generally remains unchanged. Production refinements arising from continuing research and evaluation programme may occasionally result in marginal changes in properties.

TECHNICAL SERVICE

- * **CICO** maintains a technical division with highly qualified Technical Personnel to investigate and advise on subjects related to concrete and the construction industry. The Division will advice on the correct use and selection of right products at the right place.
- * **CICO** undertakes Consultancy Service for diagnosis and rehabilitation of distressed structures
- * **CICO** undertakes jobs as a package for total waterproofing system with guarantee

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