

MOULD OIL 904ICP-B

Water Based Formwork Release Agent

GENERAL DESCRIPTION

AXEL MOULD OIL 904ICP-B a water based chemical release agent which reacts with alkaline reaction products of the setting of the cement to form insoluble heavy metal soaps. These soaps prevent any bond developing between the concrete and the formwork and ensure a clean, natural surface with a minimum of voids.

RECOMMENDED USES

Use to coat formwork or mould faces to facilitate removal and to encourage the production of smooth clean faces on the concrete. Used widely in:

- * precast panels
- * pylons
- * centrifugal piles etc.
- * slabs
- * piles
- * core
- * culverts

CHARACTERISTICS & ADVANTAGES

- * Provides easy removal of formwork
- * Prevent surface defects, which are often caused by other types of release agent
- * Straight mineral or vegetable oils often caused surface pocking.
- * Odourless
- * Low cost and economical type of form release agent

COVERAGE

Approximately 15-20m²/litre depending on substrate condition

COLOURS

Milky White

PACKING

206 litre per drum

CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened or cured material can only be mechanically removed.

STORAGE

Store in a dry, cool and shaded place. It needs to be mixed well before used.



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SURFACE PREPARATIONS

Ensure that the formwork surface is free from dirt, oil, grime and contaminations.

METHOD OF APPLICATION

Preferably by low pressure sprayer which will permit the quoted rates of spread to be obtained. Brush applicator may also be used but the material should be well brushed out to obtain the most economical and effective results.

Formwork should be treated before being erected, thus avoiding the contamination of reinforcement. Should reinforcement become coated with **AXEL MOULD OIL 904ICP-B** by accident, it should be painted with a cement slurry to react with the **AXEL MOULD OIL 904ICP-B** and this slurry should be brushed off immediately before the concrete is poured.

AXEL MOULD OIL 904ICP-B should be applied to the formwork prior to each use. After exposure for longer periods, a further application of **AXEL MOULD OIL 904ICP-B** should be made. In precast works where moulds are struck in less than 12 hrs. **AXEL MOULD OIL 904ICP-B** should be scrubbed onto clean working faces. Where moulds are rusty or have a build-up of old concrete, they should be coated with **AXEL MOULD OIL 904ICP-B** and left overnight.

Before use, they should be cleaned down and then scrubbed with a 50% mixture of **AXEL MOULD OIL 904ICP-B** and kerosene. This will clean the working surfaces and **AXEL MOULD OIL 904ICP-B** can be used in the usual manner. If the concrete surface is to be rendered it should first be thoroughly hosed down and brushed to remove residue.

Timber forms can be protected and sealed with **AXEL FORMGUM 921** enabling re-use many times without deterioration. Ensure **AXEL FORMGUM 921** is fully cured before applying **AXEL MOULD OIL 904ICP-B**.

TECHNICAL SPECIFICATIONS

No. of components	One
Specific gravity	Approximately 0.94 kg/l
pH	4 - 6
Thinning (water)	2 (Depends on formwork performance, trial/testing is necessary for higher dilution ratio.)
Temperature	Unaffected by temperature down to 1.7°C Freezing will occur approximately -1°C but will not impair properties It can be used after thawing and agitating
Drying time	Dry out ~30 mins under hot weather condition. Recoat after exposure to hot weather / raining condition for longer period.
Flash point	Not applicable
Toxicity	Non toxic

SHELF LIFE

12 months from the date of production if stored properly in original, unopened and undamaged sealed packaging in dry condition.

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