

BUILDING CHEMICALS SPECIALISTS

UNIPLAST OIL

Chemical Mould Release Agent

USES

- To provide quick, clean and easy stripping of moulds and formwork and ensure high quality fair-faced and concrete.

ADVANTAGES

- Provides excellent fair-faced concrete.
- Minimizes cleaning of shutters before re-use.
- Suitable for all types of formwork.
- Non-staining and economical.
- Prevents corrosion of steel formwork.

PRODUCT DESCRIPTION

UNIPLAST OIL is a specially formulated blend of mineral oils and chemicals with release properties, which are superior to those of conventional mould oil.

The reactive chemicals promote a water repellent interface which protects both steel and timber formwork ensuring at the same time an even colour and texture in the cast concrete.

Whilst preventing adhesion of the cement matrix to the formwork, Uniplast **OIL** allows air, which would otherwise be trapped, to escape from the interface during vibration. This air release property minimizes surface blemishes and results in a substantial reduction in remedial costs.

PROPERTIES

Specific gravity: **UNIPLAST OIL** is supplied as a pale straw-coloured liquid ready for application and has a Specific gravity of 0.83 at 20°C.

Temperature limitations: **UNIPLAST OIL** is best applied up to temperatures of 60°C.

Formwork surfaces: **UNIPLAST OIL** is designed for use with polyurethane coated surfaces and is compatible with timber, steel, GRP and other resinous formwork coatings.

Non-staining: **UNIPLAST OIL** does not stain concrete and can be used safely with white cement.

INSTRUCTIONS FOR USE

Preparation of new moulds

No preparation is necessary but if extensive re-use of timber is envisaged it is advisable to protect all new surfaces with a suitable polyurethane coating. All non-absorbent surfaces require only a single application. New unsealed timber surfaces should be recoated if a delay period in excess of 48 hours is envisaged.

Preparation of used moulds

All traces of adherent material either concrete or previous deposits must be removed prior to use. The use of **Uniplast Acid Etch** and **Uniclean** degreaser will assist in the cleaning process.

Coverage

Coverage 20 to 60m² per litre, depend upon porosity and texture of mould surface.

PRECAUTIONS

Health and Safety

Gloves should be worn when handling **UNIPLAST OIL**. Splashes to skin should be removed with soap and water. Do not use solvent. Goggles should be worn as direct contact with eyes will cause irritation and may cause serious damage if left untreated. Any eye contamination should be washed thoroughly with water and immediate medical treatment sought.

UNIPLAST OIL has a high flashpoint and hence its flammability risk is low. Adequate ventilation is ensured during application. Do not use near a naked flame or smoke during use.

PACKAGING

UNIPLAST OIL is supplied in 210 Liter drums.

STORAGE

UNIPLAST OIL has a shelf life of at least 12 months at normal temperatures. Protect from frost. If material becomes frozen, it should be completely thawed and then thoroughly mixed before use.

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