

Strumould® WRA

Water Based, Chemical Mould Release Agent

Uses

- For quick, clean and easy stripping of moulds and formwork.
- For high quality, fair-faced and stain-free concrete.

Advantages

- Ensures easy release, reducing damage and improving efficiency of production.
- Minimizes surface blemishes and staining, promoting high quality fair-faced concrete even with white cement.
- Reduces opportunity of damage to formwork, extending usable life.
- Minimizes cleaning of formwork before re-use.
- Suitable for use with virtually all types of formwork.

Description

Strumould WRA an emulsified blend of mineral oils and non-hazardous chemicals is specially formulated to produce release properties which are superior to those of conventional mould oils.

Strumould WRA is supplied as a sprayable white liquid, ready for direct application on site.

The chemically reactive components in Strumould WRA provide a water repellent interface which protects formwork and ensures an even colour and texture in the cast concrete.

In addition to preventing adhesion of concrete to formwork, Strumould WRA will allow air to escape from the interface during concrete placing and vibration. The release of air minimizes surface blemishes and blow holes resulting in a substantial reduction in remedial costs.

Properties

Appearance	White Liquid
Specific gravity	Typically 0.95±0.03 at 20°C

Instructions for use

Mould preparation:

All moulds, new or used, must be cleaned of surface deposits of rust, concrete, oil or other materials. Inadequate cleaning may lead to surface blemishes due to the adhering material. The use of a proprietary chemical degreaser or acid cleaning with Struclean® CM11 is recommended.

If only limited use of the formwork is envisaged, new timber moulds may be coated directly with Strumould WRA. If forms are to be regularly re-used then the surface should initially be coated with a suitable polyurethane sealer. This provides increased protection to the timber surface, improves ease of cleaning and prevents the build up of large residual levels of release agent in the timber of the form which may lead, over time, to increased surface dusting or retardation.

Application:

Strumould WRA can be applied by all normal methods, including brush, sponge and conventional spray. Where suitable, spray application is recommended.

Non-absorbent surfaces require a single application. New, unsealed, timber surfaces should be re-coated if delay in use of the mould leads to absorption of the release agent into the timber.

Coverage rate:

Depending on the porosity and texture of the mould surface, typical coverage rates of 20 to 50 m²/litre will be obtainable.

Best results will be obtained with the thinnest practical coating. Over application should be avoided. Excessive application on flat surfaces or which leads to pooling of release agent in the corners of forms is uneconomic and can lead to surface dusting or, in worst cases, surface retardation.

After stripping or demoulding:

After use, the formwork or mould should be brushed or wiped clean of any excess dust prior to re-application of Strumould WRA for the next use of the mould. The use of Strumould WRA minimizes the amount of time and effort required for this process.

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Repair of moulds:

If, after extended use, mould surfaces require repair or recoating with polyurethane sealer, all residual traces of Strumould WRA must be removed to ensure complete adhesion. This is best effected by using a strong industrial detergent together with stiff brushing, followed by thorough rinsing with clean water.

Packaging

Strumould WRA is available in 20 Litre containers and 208 Litre drums.

Storage

Strumould WRA has a minimum shelf life of 12 months when stored in the original unopened containers under normal warehouse conditions.

Precautions***Health and safety:***

Strumould WRA does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes.

Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting

Fire:

Strumould WRA is non-flammable.