

MONNELI DISARMANTE W

Water Based Mould and Shuttering Release Agent

Product Description

A single component, water based release agent. The white emulsion product is composed of emulsified mineral oils and non-hazardous chemicals specially formulated to produce a clean release.

After the removal of formwork, the resultant concrete has a smooth, hard, uniform finish with reduced incidents of blowholes.

Uses

DISARMANTE W is formulated to provide a quick, clean, easy stripping of moulds and formwork prior to casting concrete to ensure high quality fair-faced and stain-free concrete. It can be applied to:

- Plywood
- Timber
- Steel

Advantages

- Water based, eco-friendly product
- Odorless and nonflammable
- Produces neat concrete surfaces by letting air and water bubbles rise freely during vibration
- Ensures easy release, reducing damages and improving efficiency of production
- Minimize surface stains and blemishes even with white cement
- Suitable for use with virtually all types of formwork

Instructions for Use

Mould and Shutter Preparation

All mould and shutter surfaces must be cleaned from deposits of rust, concrete, oil and other materials.

Application

DISARMANTE W can be applied by brush, roller or mould oil sprayer. If mould oil sprayer is used, the nozzle is atomized to give a light and uniform coating. Excessive application should be avoided. However, if DISARMANTE W is overly applied, excess materials should be allowed to drain and be carefully removed from the bottom of the mould by a cloth or sponge. Pools of DISARMANTE W should not be allowed to dry.

Otherwise, surface retardation of the concrete will occur. For proper results, it is advisable to apply DISARMANTE W two hours at least before using the mould or shutter.

After Stripping and Demoulding

The formwork and mould should be brushed or wiped clean of any excess dust prior to reapplication for the next use of the mould.

Repair of Moulds

After extensive use, surface of moulds will require repair. It should be cleaned of all residue and traces of DISARMANTE W to ensure proper adhesion of the repair material. The mould shall be cleaned by detergent followed by rinsing thoroughly with water.

Cleaning

Equipment and tools used should be cleaned promptly with water.

Recommendation

Application should be done in thin layers.

Technical Data

Properties	Results
Appearance	Milky white liquid
Density at 25°C	0.97 kg/L
VOC	1 g/L
Drying time at 25°C	2 - 3 hours
pH of emulsion at 25°C	7.5
Temperature of application	+5°C to +35°C
Harmful to ECC88/379	No
Inflammability	No
Chloride content	No

All values are subject to 5-10 % tolerance

Coverage

Type of Surface	m ² /liter
Smooth, poreless form surfaces	42.50
Semi porous form surfaces	17
Porous form surfaces	12
Very porous form surfaces	10.50

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Packaging

DISARMANTE W is supplied in 210 liter drums.

Storage

DISARMANTE W has a minimum shelf life of 12 months when stored in unopened covered and dry place. Avoid exposing the drums to sunlight. Extreme temperatures cause product to deteriorate.

Health & Safety

DISARMANTE W is a non-toxic material. However, inhalation of spray should be avoided and it is advisable to wear goggles when spraying. In case of eye contact, flush with water for few minutes. If irritation continues, consult a doctor. If product is ingested, do not induce vomiting, seek medical attention immediately.