

NODAL 100

Oil-based Form Release Agent

Description

Nodal 100 is an oil-based, ready-to-use form release agent which provides complete release of concrete or grout from metal or wooden formwork. It does not stain, extends the life of the formwork and provides a good quality aesthetic concrete finish.

Uses

- ✓ Provides quick, clean and easy stripping of moulds and formwork
- ✓ Obtains high quality, fair-faced and stain-free concrete
- ✓ Can be used on Aluminium formwork

Advantages

- ✓ Easy release on all mould types
- ✓ Fast stripping and cleaning of formwork due to reduced residue
- ✓ Extends the life of formwork
- ✓ Reduces surface blemishes
- ✓ Minimises entrapment of air bubbles at the mould surface
- ✓ Reduces remedial costs
- ✓ Improves cast concrete surfaces thereby minimising damages to form surfaces
- ✓ Reduces corrosion on steel moulds
- ✓ Stain-free and economical

Technical Properties

Appearance	Yellow to Brown opaque
Specific gravity @ 15°C, g/mL	> 0.80
Kinematic Viscosity @ 40°C, cSt	> 12
Flashpoint, Pensky Marten, °C	> 100
Non staining	Does not stain concrete and can also be used safely with white cement
Formwork surfaces	Suitable for all types of formworks

Application Instructions

Mould Preparation

All moulds, new or used, must be cleaned of any kind of surface deposit before application. Inadequate cleaning may lead to surface blemishes due to the adhering material. Steel formwork must be dry. If forms are to be regularly re-used, then the surface should initially be coated with a suitable polyurethane sealer.

Application

Nodal 100 can be applied by all normal methods, including brush, sponge, and conventional spray. Spray application is recommended wherever suitable. Ensure full mixing before applying.

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.

A preliminary trial must be carried out before full application in all situations. Overapplication should be avoided.

Cleaning of equipment

Clean all tools and application equipment with cleaning solvent, dissolvent or petroleum ether immediately after use. Hardened material can only be removed mechanically.

Dosage

Dosage depends on the absorbency, surface porosity, roughness, surface profile, variations in level or wastage, etc. Actual consumption to be decided on site trials.

Coverage

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

Storage

Nodal 100 must be stored where temperature does not drop below 5°C, under cover, out of direct sunlight and to be protected from extremes of temperature.

Shelf life

12 months from the date of manufacture in unopened conditions.

Packaging

Nodal 100 is available in 20 L buckets and 200 L HDPE barrels.

Safety

Before use, refer to the Material Safety Data Sheet (MSDS). The MSDS is available on www.ccichemicals.in or contact us at info@ccichemicals.in.

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