

NODAL 50

Modified Oil-based Form Release Agent

Description

Nodal 50 is an advanced anti-seize and lubricating compound that is part of the latest, indigenized class of mould release fluids which is specially formulated by special additives processed to form a very fine compound in HSD with high emulsion or dispersion stability.

Recommended Uses

- ✓ Mivan Shuttering Boards (Aluminium)
- ✓ MS Shuttering Boards
- ✓ Plywood Shuttering Boards
- ✓ FRP Boards

Advantages

- ✓ Provides quick, clean and easy stripping of moulds and formwork
- ✓ Offers very good surface finish to the concrete
- ✓ Provides protection for lacquer coating of mivan shuttering
- ✓ Excellent mould releasing characteristics
- ✓ Non-toxic; does not pollute the working atmosphere
- ✓ Reduces surface blemishes and extends the life of formwork
- ✓ Reduces remedial costs
- ✓ Has high temperature resistance and helps in prevention of mould from corrosion
- ✓ Can be used for steam curing
- ✓ Cleaning the moulds is not required after de-moulding
- ✓ No deposit of cement slurry in the moulds after de-moulding

Technical Properties

Appearance	White to Yellow
Specific gravity @ 15°C, g/mL	> 0.80
Viscosity B4 Cup, seconds	> 35
Flashpoint	NA
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 50 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 30 m² to 60 m² per litre.

Storage

Nodal 50 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 50 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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