

# Formcoat F100

Oil-based form release agent



## DESCRIPTION

Formcoat F100 is a ready for use, oil-based concrete form release agent that effectively prevents the bonding of concrete to most types of formwork ensuring high quality, fair faced and stain free concrete with excellent surface finish.

## APPLICATIONS

Formcoat F100 is used as a form release agent for most types of concrete formwork including plywood, steel, aluminum, plastic and treated paper forms.

## ADVANTAGES

- » Easy release, reduces damage to concrete surface and improves finish.
- » Minimizes surface blemishes and staining.
- » Improves fair-faced concrete quality.
- » Helps reduce dusting of concrete.
- » Reduces opportunity of damage to formwork.
- » Extends formwork usable life.
- » Minimizes cleaning of formwork before re-use.
- » Helps prevent the deterioration and corrosion of steel formwork.
- » VOC compliant, with low odour.

## METHOD OF USE

**New Forms:** No preparation is normally necessary unless metal forms show signs of rust, then these must be wire brushed or treated with emery cloth and cleaned before coating.

**Used Forms:** Must be thoroughly cleaned and free from old concrete, dirt, cement laitance, old mould oil and other contaminations. Mechanical cleaning with wire brush or media blasting (if required) is advised, followed by cleaning with a good general-purpose solvent or high-pH cleaning solution.

Molds that have been coated with waxes, oils, or other coatings should be cleaned with a heavy-duty cleansing solvent if there is a significant buildup.

## TECHNICAL PROPERTIES @ 25°C:

Colour:	Brown liquid
Density:	0.85 ± 0.05 g/ml
VOC:	< 250 g/ltr (comply with LEED)

## APPLICATION

Formcoat F100 is ready to use and doesn't require dilution, apply Formcoat F100 onto the face of the formwork by spray, roller or brush. Only one coat should be applied (as thinly as possible except on very absorbent new timber where two coats may be necessary for the first application only).

Only if the formwork is not used for several days, a further coat may be applied. Over-application could lead to surface dusting of the concrete. Runs or puddles need to be brushed out or wiped away using clean cloth.

The best results are obtained by applying with a knapsack sprayer with a proper nozzle type, which will provide a uniform coating. The spraying should be done at a suitable distance from the form (typically 50 – 100 cm). Make sure the nozzle is completely tight to avoid any spillage.

Alternatively, a short nap roller or brush can be used. Ensures that the surface of the form is fully covered with the thinnest possible film.

**De-Moulding:** De-moulding can be carried out in the normal way and no special precautions are necessary.

**After De-Moulding:** Formwork surfaces must be thoroughly cleaned.

**Before Re-Use:** The cleaned formwork surfaces must be recoated with Formcoat F100 each time, in accordance with normal practice.

## CLEANING

Sprayers and other equipment may be cleaned with a solvent degreaser.





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## PACKAGING

Formcoat F100 is available in 25 litre pails and 210 litre drums.

## COVERAGE

Steel, plastic, fiber glass, high density plywood: 40 - 60 m<sup>2</sup>/litre.

Striated plywood, timber wood: 25 - 35 m<sup>2</sup>/litre.

Coverage rates depends on type, quality and absorption of formwork. Non-absorbent surfaces require a single application. New, unsealed, timber surfaces may need recoating if the first application is absorbed into the timbe.

## STORAGE

Formcoat F100 should be stored under a shaded area at a minimum ambient temperature of 5°C.

## SHELF LIFE

Formcoat F100 has a shelf life of 12 months from date of manufacture if stored in proper conditions and sealed drums.

If these conditions are exceeded, DCP Technical Department should be contacted for advise.

## CAUTIONS

### HEALTH AND SAFETY

Contact with skin, eyes or mucous membrane cause irritation.

Wear suitable gloves and eye protection. Should accidental skin contact occur, remove with soap and water. In case of contact with eyes rinse immediately with plenty of water and seek medical advise.

For further information refer to the Material Safety Data Sheet.

## DISPOSAL

Disposal must be made according to official local regulations. The material should not be allowed in any case to reach ground water, water bodies or sewage systems.

In case of spillage, the material should be absorbed with liquid binding material such as sand. Contaminated packaging should be emptied thoroughly and saved for recycling after proper cleaning.

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#### Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

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