

Solibuild De-Bond

FORMWORK RELEASE AGENT FOR CONCRETE

DESCRIPTION

A chemical treatment for concrete formwork to ensure quick, easy release. This permits removal of formwork from concrete without damaging the concrete surface or the formwork and resultant concrete has a smooth, hard, uniform finish.

TYPICAL USES

Solibuild De-Bond can be applied to timber, steel and plastic-faced formwork and casting beds of pre-cast or pre-stressed concrete.

Solibuild De-Bond reacts chemically with the immediate surface layer of concrete ensuring quick and clean release from the concrete. The product is non-staining. **Solibuild De-Bond** does not affect the concrete in any injurious manner.

ADVANTAGES

- Improved release performance when compared to oils and emulsions.
- Reduces the incidence of blowholes.
- Has a very high coverage than mould-oils due to its low viscosity.
- Economical - 20-50m² per litre.
- Prevents rusting of steel moulds.
- Provides a waterproof coating on formwork and protects/preserves the plywood and timber moulds from swelling.
- Produces good fair-faced concrete.
- Reduces formwork cleaning costs.
- Non-staining property enables it to be used in white cement or colored concrete.
- Concrete produced by **Solibuild De-Bond** treated formwork will provide excellent adhesion to the surface coatings renders or tiled to be applied later.

TECHNICAL DATA

Appearance	Pale yellow amber clear liquid
Specific Gravity (at 30°C)	0.85 - 0.95
Viscosity at 30°C (Ford Cup No. 4)	11- 14 Sec.
Flash Point	68° C
Solubility in Water	Insoluble

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Chloride Content Nil

Nitrate Content Nil

SURFACE PREPARATION

Surface of the formwork should be clean & dry before the application of **Solibuild De-Bond**.

APPLICATION

Solibuild De-Bond can be used direct from the container. Apply a thin layer by smooth brush, roller or a spray gun. Only a very thin coating should be applied. It is advisable to apply another coat to obtain better results.

Solibuild De-Bond can be sprayed on to the formwork using a knapsack spray unit. The nozzle of the spray head should be set to produce a fine, even mist. On small sections of the formwork the product may be applied using a fine-haired paint brush.

With both methods of application, it is essential that ponding is avoided and that any excess is removed with a dry cloth or sponge. The product should be applied before the first casting and between subsequent castings, preferably immediately after stripping and cleaning the mould but preferably as close to the next use of the formwork to avoid dust and airborne contaminants settling on the prepared formwork. Timber moulds will progressively improve in performance as they become impregnated with the release agent.

Solibuild De-Bond should be applied before placing the reinforcement and if any spillage occur on reinforcement should be removed using turpentine or thinner.

Concrete could be placed immediately after the application of **Solibuild De-Bond**.

COVERAGE

35 m² - 50m² per litre on nonporous surfaces.
(Steel Surfaces)

20 m² - 30m² per litre on semi - porous surfaces.
(For medium density plywood)

12 m² - 20m² per litre on porous or rough surfaces.

EQUIPMENT CLEANING

Equipment may be cleaned using turpentine or thinner.

PACKAGING

20 litre cans
200 litre drums

STORAGE & SHELF LIFE

Store in the shade preferable in covered area.

Solibuild De-Bond has a shelf life in excess of 24 months if stored in dry, cool conditions.

HEALTH & SAFETY

Solibuild De-Bond should not be allowed prolonged contact with the skin. Avoid contact with the eyes.

FLAMABILITY

Solibuild De-Bond is flammable. Do not expose to naked flame or other sources of ignition.

Whilst the information and/or specifications given are, to the best of our knowledge, true and accurate, no warranty is given or implied in connection **with** any recommendations or suggestions made by us, our representatives, agents or distributors as the conditions of use and labour involved are beyond our control.

If it is proven that the product does not perform as described in our TDS, Solico's liability extends solely to the free replacement of product, once the claim has been accepted after due investigation by Solico. Solico will not entertain any claims involving any form of consequential costs or damages.

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