

A QUICK BREAK BOND BREAKER

BetonSlide is an emulsion of organic oil's and surfactants, which can be applied to concrete formwork to aid in the release of the hardened concrete from the casting form. **BetonSlide** forms a physical barrier between the form and the concrete. The soap like material used as the emulsifier reacts with the free lime on the surface of the concrete, forming a chemally inert calcium soap that enhances the separation of the concrete from the mould surface. The chemically reactive components in **BetonSlide** provide a water repellent interface, which protects formwork and ensures an even colour and texture of the cast concrete. In addition to preventing adhesion of the cement matrix to formwork, **BetonSlide** will allow air to escape from the interface during concrete placing and vibration. This release of air minimises surface blemishes and results in a substantial reduction of remedial costs.

Advantages:

- Water based
- Zero VOC
- Biodegradable
- Easy to use
- Low odour
- Low cost and economical
- Non-hazardous, non-toxic
- Helps to ensure smooth finish concrete
- Non-staining for coloured products
- Easy cleaning of shutters before re-use
- Can be used on all types of formwork
- Low pickup & contamination of reinforcement steel
- Has a good weather resistance for treated forms left exposed
- NON-STAINING Does not stain concrete and can be used safely with white cement.

Uses:

To provide quick, clean, and easy stripping of moulds and formwork to ensure high quality smooth and stain-free concrete. Suitable for use on plywood, wood, fiberglass, plastic, elastomer and expanded polystyrene foam moulds. Apply by spray, brush, roller, or mop.

Application:

Brush or conventional mould oil sprayer can be used to apply **BetonSlide**. If a mould oil sprayer is used, care should be taken to ensure that a fine nozzle is fitted, as **BetonSlide** should be applied in a light continuous film. If the material is over applied, excess material should be removed from the surface by means of a sponge or cloth. Do not allow pools of **BetonSlide** to remain on the form as surface retardation of the concrete may occur.

Preparation:

No preparation is necessary but if extensive re-use of timber moulds is envisaged, it is advisable to protect all new surfaces from alkali attack which could result in a short usable life. Steel moulds require no special treatment other than the removal of rust or oil, although wetting out may be improved by lightly abrading the surface.

Preparation of old surfaces:

Remove traces of old material such as concrete or dirt and clay deposits prior to use. Surfaces previously used with **BetonSlide** will require only light brushing, as the presence of fine dust will improve the wetting out properties of **BetonSlide**. This will usually result in improved release properties on the second and subsequent uses.

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Precautions:

Over time the oil may build up on the form surface be careful not to allow excessive build-up of old material. As the emulsion contains water it may cause rust when used on steel moulds when left exposed for extended periods. It also must be kept from freezing, as separation may occur.

Properties:

Appearance Clear amber liquid
Percentage solids 25-30%
Specific gravity 0.78
Viscosity 40 CP
PH 8.5 +
VOC rating as tests by EU
regulation 1999/13/EC 0% ESTIMATING

Approximate Coverage:

- Steel: 30m²/litre
- Coated Form Ply: 20m²/litre

The coverage rate is dependent on the porosity of the mould material being used. The coverage rate and the form release properties will be reduced if the formwork is of an old/worn nature.

Storage:

Shelf life is at least 6 months if protected from frost or prolonged exposure to elevated temperatures.

Pack Size:

BetonSlide Quick Break Bond Breaker is available in 20 liter / 200 liter and 1000 litre isc's

First Aid:

Please refer to the Safety Data Sheet prior to opening or using the product.

Enquiries:

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