

## 2.02 FAST RELEASE WB

### *Water Based Chemical Mould Release Agent*

#### PRODUCT DESCRIPTION

FAST RELEASE WB an emulsified blend of mineral oils and nonhazardous chemicals is specially formulated to produce release properties which are superior to those of conventional mould oils.

FAST RELEASE WB is supplied as a spray able white liquid, ready for direct application on site.

The chemically reactive components in RELEASE WB provide a water repellent interface which protects formwork and ensures an even color and texture in the cast concrete.

In addition to preventing adhesion of concrete to formwork, FAST RELEASE WB will allow air to escape from the interface during concrete placing and vibration. The release of air minimizes surface blemishes and blow holes resulting in a substantial reduction in remedial costs.

#### USES

To provide quick, clean and easy stripping of moulds and formwork and ensure high quality, fair faced and stain free concrete.

#### ADVANTAGES

- Ensures easy release, reducing damage and improving efficiency of production.
- Minimizes surface blemishes and staining, promoting high quality fair-faced concrete even with white cement.
- Reduces opportunity of damage to formwork, extending usable life.
- Minimizes cleaning of formwork before re-use.
- Suitable for use with virtually all types of formwork.
- Inhibits corrosion of steel formwork.

#### PROPERTIES

Color:	White
Specific gravity at 20°C:	0.995
Viscosity at 20°C (Ford cup A4):	10 Sec

**Formwork Surfaces:** FAST RELEASE WB is compatible with timber, steel, GRP and resinous formwork surfaces.

**Non-Staining:** Does not stain concrete and can be used safely with white cement.

**Steam Curing:** FAST RELEASE WB is effective at elevated temperatures and can be used for steam curing at 75°C.

#### INSTRUCTIONS FOR USE

**Mould Preparation:** Steel moulds require no special treatment other than the removal of rust or oil, wetting out may be improved by lightly abrading the surface.

**Preparation of Used Moulds:** Moulds previously treated with FAST RELEASE WB will require only light brushing as the presence of fine dust will improve absorption of FAST RELEASE WB into the mould surface. This will usually result in improved release properties on the second and subsequent uses of the mould.

**Application:** FAST RELEASE WB may be applied by brush or conventional mould oil sprayer. If a mould oil sprayer is used, it is important that a fine nozzle is fitted as FAST RELEASE WB should be applied in a light continuous film. If FAST RELEASE WB is over applied, excess material should be allowed to drain and then be carefully removed from the bottom of the mould by means of a sponge or cloth. Pools of FAST RELEASE WB should not be allowed to dry otherwise surface retardation of the concrete will occur.

Unlike conventional mould oils FAST RELEASE WB does not possess residual



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The Fast Chemistry for Construction

release properties, so it is important that prior to each occasion of use, all areas of the mould are re-coated. Particular attention should be paid to coating mould rims in order to avoid adhesion of overspill cement slurry.

**After Stripping or De-moulding:** After use, the formwork or mould should be brushed or wiped clean of any excess dust prior to re-application of FAST RELEASE WB for the next use of the mould. The use of FAST RELEASE WB minimizes the amount of time and effort required for this process.

**Repair of Moulds:** If, after extended use, mould surfaces require repair or recoating with polyurethane sealer, all residual traces of FAST RELEASE WB must be removed to ensure complete adhesion. This is best affected by using a strong industrial detergent together with stiff brushing, followed by thorough rinsing with clean water.

## HEALTH AND SAFETY

FAST RELEASE WB is non-toxic; however it is advisable to wear goggles when spraying. Inhalation of spray should be avoided. In the case of excessive skin contacts wash with soap and water and apply skin conditioning cream. Should contact with eyes occur, flush with clean water for 10 minutes. If irritation persists obtain medical advice, if product is swallowed - do not induce vomiting, obtain medical attention immediately.

## CLEANING AND DISPOSAL

Spillages of FAST RELEASE WB should be absorbed onto sand, earth or vermiculite and transferred to suitable containers. Contaminated areas will become slippery therefore care must be exercised.

The disposal of excess or waste material should be carried out in accordance with local legislation under the guidance of the local waste regulatory authority.

## TECHNICAL SUPPORT

FAST offers a comprehensive technical support service to specifiers, end users and contractors. It is also able to offer on-site technical assistance, an AutoCAD facility and dedicated specification assistance in locations all over the world.

## WARRANTY

This product is warranted to be free of defects in material and workmanship, and conform to FastChem Construction Chemicals ("FastChem") quality control standards. All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind, expressed or implied including but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose. Satisfactory results depend upon many factors beyond FastChem's control. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from his or her direct use, indirect use or consequential to their use of the product. FastChem shall not be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use or inability to use the product. FastChem's sole responsibility shall be to replace that portion of the product which proves to be defective. Any warranty claim must be made within six (6) months from the date of the claimed breach. This limited warranty applies only if the product was properly installed and used according to all instructions and was properly stored prior to use.

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