



2.02 XPERT RELEASE WB

Water Based Chemical Mould Release Agent

PRODUCT DESCRIPTION

XPERT 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.

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

The chemically reactive components in XPERT 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, XPERT 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.

CATEGORY	PARAMETERS
Color	White
Specific Gravity	0.995 at 20°C
Viscosity	10 Sec at 20°C (Ford cup A4)
Formwork Surfaces	XPERT 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	XPERT RELEASE WB is effective at elevated temperatures and can be used for steam curing at 75°C.

INSTRUCTIONS OF 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 XPERT RELEASE WB will require only

light brushing as the presence of fine dust will improve absorption of XPERT RELEASE WB into the mould surface. This will usually result in improved release properties on the second and subsequent uses of the mould.

Application: XPERT 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 XPERT RELEASE WB should be applied in a light continuous film. If XPERT 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 XPERT RELEASE WB should not be allowed to dry otherwise surface retardation of the concrete will occur.

Unlike conventional mould oils XPERT RELEASE WB does not possess residual 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 XPERT RELEASE WB for the next use of the mould. The use of XPERT 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 XPERT 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

XPERT 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 XPERT 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.