

## TECHFIN SHUTTER RELEASE OB

### CHEMICAL RELEASE AGENT - ECONOMICAL HIGH QUALITY CONCRETE FINISH - CLEAN AND QUICK RELEASE

#### DESCRIPTION

TECHFIN SHUTTER RELEASE OB Diesel Emulsion Based Chemical release agent applied to mould and shutter surfaces prior to casting concrete in order to achieve a clean release. TECHFIN SHUTTER RELEASE OB can be applied to the formwork by spray in a light uniform mist coating or by brush.

#### ADVANTAGES

- TECHFIN SHUTTER RELEASE OB reduces the incidence of blow holes on the concrete face, is non-staining and can be used on concrete produced with White Portland Cement.
- TECHFIN SHUTTER RELEASE OB has a higher coverage than other oils due to its low viscosity.
- TECHFIN SHUTTER RELEASE OB treated plywood and timber moulds are waterproofed thereby preventing swelling.
- Steel moulds are protected against rust and continued applications will assist in the removal of existing rust.
- TECHFIN SHUTTER RELEASE OB reacts chemically with cement in a manner that imparts excellent release properties to the face of treated moulds and shuttering.
- Concrete cast with TECHFIN SHUTTER RELEASE OB as the release agent has a smooth, hard, uniform and light coloured finish. It will not affect the concrete in any deleterious manner. It may also be applied to rough sawn timber formwork when a grained effect is required. The adhesion of subsequent surface coatings or renders is not affected by concrete treated with TECHFIN SHUTTER RELEASE OB.

#### APPLICATION

- TECHFIN SHUTTER RELEASE OB is suitable for application onto plywood, timber, steel and plastic faced formwork and moulds prior to casting the concrete in order to provide a clean release.
- Progressively better results are obtained on plywood and timber moulds as they become impregnated and also once the operatives become accustomed to working with the release agent.
- TECHFIN SHUTTER RELEASE OB in general, may be used over timber moulds, etc. which have been treated with other mould oils providing all excess material has been removed.

#### TECHNICAL DETAILS

Appearance	White liquid emulsion
Flash Point	Non-Flammable
Density	0.95g/ml @ 20°C
Chloride Content	Nil
Nitrate Content	Nil
Coverage	1Lt covers up to 60 m <sup>2</sup>

#### WATCH POINTS

TECHFIN SHUTTER RELEASE OB may be left in spray guns or sprayers without detriment but with certain types there may be some softening of the rubber seals with prolonged contact. When necessary, clean the spray gun with white spirits or paint thinners.

#### PACKAGING

5Lt, 25Lt and 200Lt plastic drums. Also available in 1000Lt plastic flowbins.

#### SHELF-LIFE

Six month when stored in a cool place.

**DIRECTIONS**

**PREPARATION**

Ensure moulds are clean and free of all cements.

**PRIMING**

New timber or plywood shuttering should be primed with one coat of TECHFIN SHUTTER RELEASE OB followed by a further application prior to filling the moulds / shuttering with concrete.

**APPLYING**

Initially apply before first casting, thereafter re-apply between castings, preferably immediately after stripping and cleaning the mould. Application may be made by a fine bristle brush or using a very thin spray coating. Any excess agent must be removed.

**SEALING**

It is essential that all concrete be cured to achieve design strength and reduce moisture loss. Cure with TECHFIN ACRYLIC CURE.

**PRECAUTIONS**

If the product is stored in direct sunlight or in heat, the emulsion may break causing the product to separate. Release results will be erratic should this happen.

**CLEANING**

Clean off with a mild degreasing detergent.

**STORAGE**

Store in a cool place out of direct sunlight.

**SAFETY**

As a precaution, avoid skin contact as hyper sensitivity may occur.

**Gauteng**

**Kwa-Zulu Natal**

**Western Cape**