

TECHFIN SHUTTER RELEASE OB

Chemical Release Agent - Economical High Quality Concrete Finish - Clean and Quick Release

Techfin Shutter Release OB is a petroleum oil 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.

UNIQUE PRODUCT BENEFITS

- Reduces the incidence of blow holes on the concrete face, is non-staining and can be used on concrete produced with White Portland Cement.
- Higher coverage than other oils due to its low viscosity.
- 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.
- 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.

TECHNICAL DETAILS

Appearance	White liquid emulsion
Flash Point	Non-flammable
Density	0.95 g / ml @ 20°C
Coverage	30 m ² / L
Chloride Content	Nil
Nitrate Content	Nil
Coverage	1 L covers up to 60 m ²
Shelf Life	6 months when stored in a cool place

PACKAGING

Techfin Shutter Release OB is supplied in 5 L, 25 L and 200 L plastic drums. Also available in 1000 L plastic flowbins.

APPLICATIONS:

- 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.

**Leading manufacturers of specialist epoxy and polyurethane flooring systems,
specialised construction and corrosion protection products.**

Distribution facilities nationwide

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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.

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 reapply 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.

HEALTH AND SAFETY

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

Please read Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OHSA No.85 of 1993. This system is non-hazardous to health and environment.

WARRANTY

Technical Finishes products are manufactured under high quality standards and are warranted against defective materials and are sold subject to standard Terms and Conditions of Sale, copies of which can be obtained upon request. Technical Finishes deals with approved applicators and carry a back to back warranty with these clients. Technical Finishes cannot be held responsible for the workmanship in surface preparation and application of our products, it is understood that the approved contractor will guarantee such workmanship and application. It is vital that the application is done in accordance to our specification.

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