

## Description:

TechnoFinish<sup>®</sup> PolyMol-MRO is a ready for use, single component, low viscosity, specially formulated blend of mineral oils and chemicals release agent applied on shutters or moulds prior to concrete casting to achieve easy release and a stain free, fair faced surface.

TechnoFinish<sup>®</sup> PolyMol-MRO react with the alkali in the concrete to form a thin water repellent skin on the surface of the mould, thereby enabling easy stripping from concrete and acting as a protection to steel and wooden formwork.

## Application Includes:

TechnoFinish<sup>®</sup> PolyMol-MRO is recommended for use in the following areas of application:-

- To provide clean and easy stripping of moulds and formwork to ensure fair-faced and stain-free concrete.
- Precast applications.
- Cast in-situ applications.
- Suitable to use on all kinds of formwork such as steel, plywood, timber etc.

## Features & Benefits:

- Economical & Easy to apply by brush, roller or spray.
- Ensures easy release, good fair-faced concrete.
- Provides stain-free and fair faced concrete surface.
- Can be used on all types of formwork.
- Minimises cleaning of shutters before re-use.
- Inhibit rusting of steel moulds or equipment.
- Reduces opportunity of damage to formwork, extending usable life.

## Instructions for use

### Surface preparation

- Preparation of New Moulds
- No special treatment is necessary other than removal of rust or oil.
- Preparation of Used Moulds
- All traces of any old concrete, previous oil deposit and deleterious material must be removed prior to use.
- Moulds previously used with TechnoFinish<sup>®</sup> Lubriex Strip XL will only require brushing as the presence of fine dust will improve absorption of TechnoFinish<sup>®</sup> Lubriex Strip XL into the mould surface.
- This will usually results in improved release properties on the second and subsequent use of the mould.

### Coating Procedure

- TechnoFinish<sup>®</sup> PolyMol-MRO may be applied by brush or a conventional sprayer. If a sprayer is used, it is important that a fine nozzle is fitted as TechnoFinish<sup>®</sup> PolyMol-MRO should be applied in a continuous film. It is recommended to be applied before placing reinforcing steel. Otherwise any accidental spillage on steel bars should be removed using a clean rag dampened with turpentine, xylol or toluol.
- It is important to avoid leaving patches of untreated areas, hence, ensure that there are no breaks during application until a well-marked area is completely treated. If TechnoFinish<sup>®</sup> PolyMol-MRO is over applied, excess material should be allowed to drain and then carefully removed from the bottom of the mould by means of a sponge or a cloth.
- Pools of TechnoFinish<sup>®</sup> PolyMol-MRO should not be allowed to dry, otherwise surface retardation of the concrete may occur. It is important that prior to each use of the mould that all areas are recoated.
- Particular attention should be paid to coating mould rims in order to avoid adhesion of cement slurry overspill.

### Mixing

TechnoFinish<sup>®</sup> PolyMol-MRO should be gently stirred immediately prior to use to ensure uniformity of the material as applied.

### Spray equipment

For best results, apply TechnoFinish<sup>®</sup> PolyMol-MRO an even coat by a low pressure spray equipment such as (Knapsack sprayer), sponge mop, roller or brush. Remove any puddles of excessive application.

### Cleaning

Tools used for applying TechnoFinish<sup>®</sup> PolyMol-MRO can be cleaned with solvent (ethyl alcohol, etc.). In case of particularly absorbent forms the dosage could be higher than the recommended one. The coverage rate of TechnoFinish<sup>®</sup> PolyMol-MRO is dependent upon the porosity of the mould material but is normally 20- 60 m<sup>2</sup>/litre.

## Health and Safety instructions

TechnoFinish® PolyMol-MRO is non-toxic but can cause irritation to persons with sensitive skin if exposed and respiratory reaction if inhaled. Protect your health while working with this material, always use safety goggles, gloves and safety clothing. When handling hazardous materials or pressurized materials, or during any application that may result in spills, splashes or airborne particles, a full face shield is strongly recommended.

Protect yourself and others on the jobsite. Consider property in proximity of the application area to prevent loss or damage. Protect your jobsite from unauthorized persons. Store all materials and equipment safely and out of reach of children and animals.

Observe container labels, SDS, applicable laws and regulations and all instructions before using the product and equipment. In case one of the components comes in contact with the skin, wash thoroughly with soap and water. Provide adequate ventilation in volume and pattern in working area.

## Cleaning

All tools, equipment and surrounding areas must be cleaned with water before the product sets. Hardened materials have to be mechanically removed

**Additional Information:** Techno Builders Solutions® By Sterling Technotrade India Pvt.Ltd -The Specialist Construction Chemicals Company® range of associated products includes high performance concrete Admixtures, Adhesives, Protective Coatings, Concrete Repairs, Industrial Flooring, Grouts & Anchors, Joint Sealants, Surface Treatments, curing compounds, repair mortars, release agents, Grinding Aids & Waterproofing.

\*Separate datasheet are available on these products.

## Typical Properties at 25°C

Supply form	Liquid
Colour	Dark Amber
Flash point	>60°C
Service temperature	min. + 8°C; max. + 50°C
Specific gravity@ 25° C	0.83 ± 0.05

## Shelf Life & Storage

When stored in warehouse conditions below 30°C, TechnoFinish® PolyMol-MRO has a minimum shelf life of 12 months. Freezing and exposure to heat and/or direct sunlight should be avoided. Containers should be kept sealed and airtight to prevent any reduction in shelf life.

## Packaging

TechnoFinish® PolyMol-MRO is available in 20 litre pails and in 210 litre drums.

## Health and Safety instructions

**DISCLAIMER:** The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.

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