



**MINERAL OIL BASED MOULD RELEASE AGENT**

**Description:**

MOULD RELEASING AGENT, ready-to-use concrete form release agent designed to prevent concrete adhesion to formwork surfaces and ensure smooth concrete finish. Suitable for steel, plywood and plastic formwork systems..

**Technical Properties:**

<b>Chemical Content</b>	Mineral oil
<b>Appearance</b>	Liquid
<b>Color</b>	Light amber
<b>pH</b>	7±1
<b>Density (20 °C)</b>	0.9 ± 0,02 g/cm <sup>3</sup>
<b>Chloride Content (%)</b>	< 0.1
<b>Alkaline Content (%)</b>	< 5
<b>Freezing</b>	-10 °C

**Advantage:**

- It enables easy and fast separation of the mold from concrete.
- Smooth surface finish.
- Reduces surface defects.
- Protects steel forms against corrosion.
- Provides easy cleaning of formwork.
- Does not leave any stain on the formwork.
- Extends the life of the formwork.
- Ready to use (no dilution required).

**Area of Use:**

- Steel formwork systems.
- Plywood and timber formwork.
- Plastic and coated form panels.
- On-site cast concrete applications.
- Columns, beams and slabs.
- Industrial floor casting..
- Tunnel form systems
- Infrastructure and civil engineering projects.

**Consumption:**

Non-Absorbent Surfaces: 15 – 25 g/m<sup>2</sup>

Absorbent Surfaces: 35 – 45 g/m<sup>2</sup>

When required, the Polystar Co. Technical Support Unit should be consulted.

**Method of Application:**

- Formwork surface must be clean, dry and free from dust, rust and old concrete residues.
- Product is ready to use. Do not dilute.
- Apply a thin and uniform film using spray, roller or brush.
- Avoid excessive application and puddles on the surface.
- Remove excess material with a cloth if necessary.
- Concrete should be poured after solvent evaporation (if applicable).
- Reapply before each casting cycle.

**Precautions in Application:**

- Do not apply excessive amount; thick film may cause surface staining and dusting.
- Not recommended for surfaces to be plastered or painted without surface preparation.
- Remove excess material before casting concrete.
- Keep away from open flames and high heat sources.
- Ensure adequate ventilation during application.
- Do not apply on wet or dirty formwork surfaces.
- Product performance may vary depending on cement type and mix design.
- Trial application is recommended before large-scale use.

**Cleaning:**

- Clean all tools and spray equipment immediately after use.
- Use suitable solvent (e.g. mineral spirits or industrial thinner) for cleaning.
- Do not allow product to dry inside spray nozzles.
- Dispose of cleaning residues according to local regulations.



**Packing:**

- 30 kg plastic drum
- 250 kg drum
- 1000 kg container

**Storage and Shelf Life:**

Must be stored at temperatures between +5°C and +35°C. Under proper storing conditions, the product's shelf life is 12 months from production date if kept in original packaging unopened and undamaged. Packaged products must be shaken before use.

**Security Information:**

Use protective clothes, gloves, glasses and mask compatible with Health and Safety regulations during the application. It should not contact skin and eyes. In case it contacts to skin and eyes, rinse it with water and if swallowed ask for medical help. Food and beverage should not be allowed in the application area. It should be stored at the reach out of the children. The Material Safety Data Sheet (MSDS) should be read for detailed information.

