

Mold Release Agents and Curing Compounds / Mold Release Agents

POLYFORM 300

General Purpose Plywood, Wooden Mold Release Agent

DESCRIPTION

Chemical emulsion based, **high quality, ready-to-use, general purpose** mold release agent that allows the mold to be separated easily from the concrete and contains a special emulsifier blend, provides a smooth and spotless surface.

APPLICATION AREAS

- All kinds of molds such as plywood, plastic etc,
- Conventional wooden mold systems,
- Wooden mold systems with metal accessories,
- All kinds of mold surfaces, especially absorbent ones,
- Detailed concrete molds systems, with low temperature curing and large surface areas.

TECHNICAL PROPERTIES

Appearance	Cream-white colored emulsion
Liquid Density	0.93 ± 0.02 kg/L (20°C)
Flash Point	Not flammable
Application Temperature	≥ 5°C

ADVANTAGES

- For general use, can be used in various mold types.
- Ready to use, applied directly without diluting.
- Does not damage the film layer of the plywood molds.
- Easy to apply.
- Allows the mold to be quickly dismantled.
- Reduces bubbles on the concrete surface, enables a smooth and spotless surface.
- Minimizes the need for cleaning in repeated uses of the molds. Reduces mold and labor costs significantly.
- Does not cause blocking in the spraying machine as it is highly fluid.
- Increases the efficiency and extends the life of the mold.
- Does not contain **solvent**.

CONSUMPTION

Varies depending on the type of the mold; 1 L of POLYFORM 300 lubricates about 19 – 28 m² of mold surface when applied with a roller, and 37 – 56 m² when sprayed with a pressurized pump.

PACKAGING

30 L plastic jerrycans and 210 L barrels

APPLICATION

PREPARATION OF THE SURFACE

Prior to application, thoroughly clean the formwork surfaces. Ensure that the surfaces are free from concrete residue, timber fragments, metal particles, snow, ice, and any other contaminants.

MIXTURE

- POLYFORM 300 is **ready-to-use**. Do not add any substance (water, solvent, etc.) to the product.
- Shake well before use.

APPLICATION

- Spray POLYFORM 300 homogeneously or apply with a roller as a thin layer (one coat) on the mold for best results.
- Do not allow the material to accumulate on the surface and spread it evenly over the entire surface.
- For spray application, conduct a trial to determine the optimum coverage rate.

CAUTION

- Make sure that the mold surfaces are thoroughly cleaned before the application.
- During the application, do not allow accumulation on the mold surfaces. Excessive use causes ripples and stains on the concrete surface. Therefore, determine the optimum consumption amount by preliminary tests to be carried out under construction site conditions.
- Protect newly applied molds from rain before pouring concrete.
- Do not apply under +5°C and heavy rain.
- It is a ready-to-use product, never add water to the product.

SHELF LIFE

Expires in 12 months. Store unopened packages between +5°C and 30°C in a cool and dry environment. Shake well before use. Protect from frost.

HEALTH AND SAFETY

As with all chemical products, avoid contact with food products, skin, eyes and mouth during use and storage. During the application, use work clothes, protective gloves and glasses in accordance with the occupational and worker health rules. Consult a doctor if accidentally swallowed. In case of contact with skin, rinse with water. Do not bring food and beverage into the application areas. Do not smoke during the application, do not use tools that can produce sparks (fans, etc.). Ventilate the areas. Store out of the reach of children.

The application instructions and technical values given for the products have been obtained in accordance with our tests and experiences in accordance with international standards at 23±2°C temperature and 50%±5% relative humidity conditions. These values may vary depending on ambient conditions. High temperatures shorten the times, low temperatures lengthen them. Before starting the application, the user should test whether the product is suitable for the application and purpose. FIXA Construction Chemicals Ltd is not responsible. This Technical Data Sheet remains valid until the next revision is published. FIXA reserves the right to change the values specified in this Technical Data Sheet, provided that the new version is published. It is the user's responsibility to check that the document is up-to-date. Please contact our sales department for more information.