

Mold Release Agents and Curing Compounds / Mold Release Agents

POLYFORM K

Concentrated Mold Release Agent

DESCRIPTION

High quality, concentrated mold release agent that allows the mold to be separated easily from the concrete. Contains a special emulsifier blend and provides a smooth and spotless surface.

APPLICATION AREAS

- Conventional wooden mold systems
- All types of molds, such as plywood, plastic etc.
- Wooden mold systems with metal accessories
- All types of mold surfaces, especially with high absorbency.

TECHNICAL PROPERTIES

Appearance	Yellow colored liquid
Liquid Density (Undiluted)	0.86 ± 0.02 kg/L (20°C)
Flash Point	Not flammable
Application Temperature	≥ 5°C

ADVANTAGES

- Diluted with stated amount of water
- Easy to apply
- Does not damage the film layer of the plywood molds
- Allows the mold to be quickly dismantled
- Increases the efficiency and extends the life of the mold
- Reduces bubbles on the concrete surface and 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
- Does not contain solvent.

CONSUMPTION

Varies depending on the type of the mold and dilution ratio; 1 L of POLYFORM K lubricates about 17 - 26 m² of mold surface when applied with a roller, and 35 - 52 m² when sprayed with a pressurized pump.

PACKAGING

30 L plastic jerry cans and 210 L barrels

APPLICATION

PREPARATION OF THE SURFACE

Clean the mold surfaces carefully before using POLYFORM K. The molds should be clean of concrete, wood, iron pieces, snow and ice.

MIXTURE

- POLYFORM K can be diluted 50% - 80% with non-hard water. Since the degree of hardness of the water used in dilution may affect the homogeneous appearance of the product, it is recommended to use tap water.
- Shake well before use.

APPLICATION

- Spray POLYFORM K 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.
- In spraying applications, the ideal amount of use should be reached by experimenting.

CAUTION

- POLYFORM K turns white after dilution with water
- 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 appropriate 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.

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. Do not leave the cover open. 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 Yapı Chemicals San. Trade Ltd. Sti. 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.