

Mono-Coat® 472W

Semi-Permanent Release Agent

Mono-Coat® 472W is a unique blend of film forming resins and polymers that represents “state-of-the-art” technology in release agents for rubber molders. The material is a semi-permanent, water-based system. Lab and customer trials indicate excellent release performance, minimal buildup on the mold and practically an instant cure for almost all types of molding operations.

Mono-Coat® 472W is effective for molding operations that require minimal transfer of the release agent, high-temperature stability, multiple releases and a high degree of slip. Mono-Coat® 472W is ready-to-use as shipped

Typical Properties

Appearance	Off-white fluid
Density, lbs/gal; kg/l	8.30; 0.995
Flash Point	None to boil
Storage Stability, unopened	6 mos.

Recommended Use

Rubber molding: Compression, transfer and injection molding of all rubbers except silicone/fluorosilicone rubbers.

Application

Mono-Coat® 472W should be applied to a hot mold (120°C/250°F or more). Proper application of the release agent will help to achieve the maximum number of releases per application.

1. Thoroughly clean the mold with a Chem-Trend mold cleaner to remove the previous release agent or other contamination. Wipe dry with a clean cloth or towel. Then wipe with a clean solvent and let air dry. (Note: We recommend bead blasting followed by a solvent wipe for maximum film adhesion.)
2. For better film formation on molds, apply product to molds at 120°C/250°F or above.
3. We recommend spray application using air-assisted or air spray equipment and using a light, even spray.

4. Apply at least three uniform, thin coats and allow several seconds between applications to allow water to evaporate. Bring the mold to normal operating temperature and begin molding.
5. Reapply a light coat of Mono-Coat® 472W when required, to maintain desired release. To prevent buildup, avoid overspraying.

Storage

For best results, store between 13-49°C/55-120°F. Keep from freezing. Keep container tightly sealed to prevent evaporation. If stored in cold temperatures, allow product to warm to room temperature prior to use.

Handling

We believe Mono-Coat® 472W has a low degree of hazard when used as intended. For more information, request a copy of Chem-Trend's Material Safety Data Sheet.

Packaging

Mono-Coat® 472W is available in 5-gallon (20-liter) and 55-gallon (208-liter) containers.

While the technical information and suggestions for use contained herein are believed to be accurate and reliable, nothing stated in this bulletin is to be taken as a warranty either expressed or implied.

Further Information

Request information on our complete range of materials: custom-formulated release agents for polyurethane molding; tire lubes and bladder coatings; Mono-Coat® semi-permanent release coatings; aerosol formulations; mold cleaners and sealers; specialized coatings and application equipment.