

MR-515

Release Agent

MR-515 mold release is a blend of silicones and specialized parting agents that give excellent release for many types of urethane molding application. MR-515 is effective at low mold temperatures and in processes with short spray-to-pour times.

MR-515 releases rigid foam, low-temperature elastomeric RIM, integral skin (with or without in-mold coatings), semi-rigid foam, cast elastomers and other thermoset resins.

Typical Properties

Appearance	Clear fluid
Density, lbs/gal; kg/l	7.76; 0.93
Solids, %	8.0
Flash Point	None to boil
Storage Stability, unopened	12 months
Aerosol Can Storage Stability, unopened	24 months

Recommended Use

Molding Applications	Recommended Temp Range, °F/°C
Rigid Foam	104-167/40-75
Elastomeric RIM	113-167/45-75
Integral Skin Foam	82-140/28-60
Semi-Rigid Foam	82-131/28-55
Cast Elastomeric	104-248/40-120

Application

If stored in cold temperatures, allow product to warm to room temperature prior to use.

1. Thoroughly clean the mold with a Chem-Trend mold cleaner to remove any previous release agent or other buildup. Wipe dry with a clean cloth or towel. Then wipe with a clean solvent or naphtha and let air dry.
2. Use conventional spray equipment (air-assisted or airless) and hold spray tip 6-16" from mold surface. MR-515 can also be applied with a soft-bristled brush, or wiped on with a cotton cloth.

3. To pretreat or condition the clean mold, apply MR-515 in three, even coats at normal processing temperatures. Allow solvent to flash off between applications
4. Reapply an even coat over the entire mold after every shot to ensure adequate release ease.

Cleaning

Parts can be cleaned of any residue with a solvent wipe.

Handling

We believe MR-515 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

MR-515 is available in aerosol cans, 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.