

# Product Bulletin

# CASS POLYMERS

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MR #7  
MOLD SEALER

0302

## **PRODUCT DESCRIPTION:**

MR #7 is a semi-permanent primer coating formulated to seal areas of micro-porosity in epoxy, polyester, or metal molds/tools, and protect their working surfaces. It also provides a highly compatible substrate for over-coating with any of the semi-permanent release agents, greatly enhancing the durability of the releasing interface, and extending the intervals between re-coating.

It is a single-component system of complex moisture-cure film-forming resins in a volatile solvent base. On application, the solvents evaporate leaving the resins to rapidly cross-link and polymerize using the moisture in the surrounding air. This cure mechanism is rapid at relatively low temperatures, and evolve a pore-free, micro-thin transparent film that is hard, durable, and thermally stable up to approximately 900°F (482°C)

## **PRODUCT FEATURES:**

- \* Excellent control of micro-porosity in various mold types.
- \* Effective protection of mold surfaces, and fine detail.
- \* Easy application - rapid low temperature cure.
- \* Single-component convenience, no mixing or pot-life.
- \* No mold build-up, no transfer or migration.
- \* No silicones or waxes.
- \* Thermally stable at elevated temperatures.
- \* Greatly enhances multiple release capability of release agents.
- \* Helps prevent styrene emission.

## **APPLICATION AREAS:**

MR #7 is specified for use on virtually all mold types to provide a durable protective interface prior to the application of the release agent. This is particularly important during operations involving heavily filled resin systems, or highly abrasive closed-mold processes - RIM, RRIM, RTM, etc.

It is a highly effective sealer of micro-porosity in aluminum, polyester, and epoxy composite molds and tools especially during vacuum/pressure processes, or those involving low viscosity resins.

MR #7 can also be used to improve the molding surface of old marginal molds so that acceptable demolded parts can be obtained and the working life of the tool extended.

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