

## ReleaSys™ 8800 Semi-Permanent Mold Release Agent

### Description:

ReleaSys™ 8800 is a high performance water-based, semi-permanent mold release system developed to yield unmatched durability and surface slip. This formulation excels at releasing parts from complex, intricate mold geometries. Properly applied, our product develops a long lasting thin-film on the mold surface with minimal mold build-up. ReleaSys™ 8800 will not interfere with post-production finishing operation. Benefits of this product include:

- Superior release agent durability
- Ideal for high complexity molds
- Clean, Non-oily, Non-migrating
- Improves quality and consistency of molded parts
- Minimizes mold build-up and fouling

### Release Agent Applications:

ReleaSys™ 8800 is formulated to provide unmatched utility in compression, injection and transfer molding with the following materials

- Organic Polymer
- Thermo-Resins
- Fluoroelastomers
- Acrylics
- Neoprene
- Thermoplastics
- Elastomers
- EPDM
- Epoxy

### Recommended Application Procedure:

1. Clean mold surface thoroughly. Mechanical cleaning such as bead media blasting, followed by chemical cleaning, provides the best surface for application. Removal of all previous mold release agent is critical.
2. ReleaSys™ 8800 can be applied by any spray equipment that can produce fine atomization and deposit a uniform, thin film. Apply lightly to a hot mold approximately 6-8 inches from the surface.
3. Allow ReleaSys™ 8800 to cure for approximately 3-5 minutes at normal operating temperatures (minimum 132 °C). Multiple light coats can be applied, however this is not normally necessary.

### Reapplication:

1. When release becomes hesitant, immediately reapply one coat of ReleaSys™ 8800 in the same manner as described previously. Spot touch-ups can also be done on known high wear or geometrically strained areas.

### Physical Properties:

Primary Polymer:.....Thermoset Polysiloxane  
Appearance:.....White Emulsion  
Odor:.....None  
Specific Gravity:.....1.0 g/mL @ 25°C  
Flash Point:.....None

### Storage and Handling:

ReleaSys™ 8800 should be stored in a well ventilated area which is cool and dry. Do not expose to freezing temperatures. Prior to use, container should be lightly agitated; avoid high shear/high rpm mixing.

ReleaSys™ 8800 should not be used at temperatures above 250 °C or near open flames. Chemical breakdown will occur which will result in the generation of toxic fumes. When spraying, avoid inhalation of mist and exposure to skin. Always wash hands after handling.

### Shelf-Life

ReleaSys™ 8800 has a shelf life of 6 months from the date of shipment.

### ReleaSys™ Product Line:

Miller-Stephenson's offers a selection of high performance water-based, semi-permanent release systems to meet your mold process needs. All variants of the ReleaSys™ Series will deliver higher productivity, lower rejection rates, and higher quality products.

ReleaSys™ Series	Slip	Durability	Releases per Application
8500	●●●●	●●●●	●●●●
8800	●●●●●	●●●●●	●●●●●
8900	●●●●●	●●●●●	●●●●●
8200	●●	●●●●	●●●●●

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