

ReleaSys™ 7800 Paintable Release Agent

Description:

Miller-Stephenson has developed a high-performance paintable release agent specifically designed for release of complex, challenging mold designs. Our product minimizes/eliminates "fish eyes", provides high surface quality, consistent color pigmentation, and accurate replication of mold patterns. Most importantly, ReleaSys™ 7800 achieves all of this in a highly efficient and cost-effective system. Benefits Include:

- Ideal for composite, epoxy, and FRP substrates
- Ideal for complex molds
- Extended service life of flexible molds
- Seals microporosity and freshly repaired molds
- Elimination of "fish eyes" and post-molding cleaning
- Optimal pigment transfer and color appearance

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 and contamination is critical.
2. ReleaSys™ 7800 can be applied by any spray equipment that can produce fine atomization and deposit a uniform, thin film. Apply light coats, approximately 8-10 inches from the surface. Surface wiping can be done as well, no additional polishing is required.
3. ReleaSys™ 7800 is a concentrated product. It can be used as is for release of complex molds or diluted to a final working concentration. Dilution is ideally performed with low flash point solvents.
4. Allow ReleaSys™ 7800 to dry completely. Multiple light coats can be applied, and will increase durability and protection. Typically 1-3 coats is sufficient.

Reapplication:

1. When release becomes hesitant, immediately clean mold and reapply one coat of ReleaSys™ 7800 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:.....Proprietary Polymer
Appearance:.....Straw Liquid
Odor:.....None
Specific Gravity:.....0.66 g/mL @ 25°C
Flash Point.....<30 °C

Storage and Handling:

ReleaSys™ 7800 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.

ReleaSys™ 7800 should not be used at temperatures above 350 °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™ 7800 has a shelf life of 12 months from the date of shipment.

ReleaSys™ Product Line:

Miller-Stephenson offers a selection of high performance, 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.

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Safety Data Sheet (SDS) is available upon request.

ReleaSys™ is a trademark of miller-stephenson chemical company inc.