

ReleaSys™ 7200W High Performance Wax Release Agent

Description:

ReleaSys™ 7200W is a high-performance, water-based, and VOC-free mold release agent designed to provide exceptional release ease, cost-efficiency, and maximal throughput. Utilization of a proprietary non-silicone, non-fluoropolymer, resin and wax system, our unique chemistry accelerates the drying and cure process allowing rapid reapplication intervals. ReleaSys™ 7200W was specifically designed for molding operations which require efficient and fast production speeds with minimal downtime. ReleaSys™ 7200W is ideal for composite, polyurethane, and high tack molding substrates. ReleaSys™ 7200W will not interfere with post-production finishing operation such as painting, bonding or gluing. Benefits of this product include:

- Exceptional durability and surface adhesion
- Ideal rapid re-application intervals
- No effect on paintability, bonding, or adhesion
- Non-silicone and non-fluoropolymer
- Fast Drying; Rapid cure
- 100% VOC and odor free
- Clean, Non-oily, Non-migrating

Release Agent Applications:

ReleaSys™ 7200W is formulated to provide unmatched utility in lower-temperature compression, injection, and transfer molding with the following materials:

- Organic Polymer
- Thermosetting resins
- Fluoroelastomers
- Acrylics
- Neoprene
- Thermoplastics
- EPDM
- Epoxy
- Melamine
- Elastomers (Natural and Synthetic)

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™ 7200W can be applied by hand wiping, dip, or any spray equipment that can produce fine atomization and deposit a uniform, thin film. Multiple light coats can be applied but is usually not necessary.
3. Allow ReleaSys™ 7200W to dry completely before molding. On heated molds this occurs instantly. Once dried, ReleaSys™ 7200W will exhibit a uniform, dryfilm. If this is not developed the product has either not fully dried or was overapplied.

4. ReleaSys™ 7200W can be lightly buffed to remove excess material film build and increase surface slip.
5. ReleaSys™ 7200W can also be diluted with DI water to the desired concentration to help better control film build and application ease.

Reapplication:

1. When release becomes hesitant, immediately reapply one coat of ReleaSys™ 7200W in the same manner as described previously. Spot touch-ups can also be done on known high wear or geometrically strained areas.

Physical Properties:

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| Primary Polymer | Proprietary Emulsion |
| Appearance | Milky Liquid |
| Odor | None |
| Specific Gravity | 1.00 g/mL @ 25°C |
| Flash Point | None |
| VOC | None |

Storage and Handling:

ReleaSys™ 7200W 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™ 7200W should not be used at temperatures above 450°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™ 7200W 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.

Safety Data Sheet available upon request.

LIMITATION OF LIABILITY AND REMEDIES: Manufacturer warrants that, at the time of shipment by the Manufacturer, this product is free from defect in material and manufacture. If the product is proved to be defective, the exclusive remedy, at Manufacturer's option, shall be refund of the purchase price or replacement of the defective product, provided written notice of the defect is given no later than one year after the date of shipment by the Manufacturer. Manufacturer shall not otherwise be liable for loss or damages whether direct, indirect, incidental or consequential, regardless of the legal theory asserted, including negligence and strict liability. **Manufacturer expressly disclaims all implied warranties, including the implied warranty of merchantability and the implied warranty of fitness for a particular purpose. There are no warranties which extend beyond the description on the face hereof.**