

Stoner

TraSys® 3000

Mold Release



Product Description

TraSys® 3000 mold release coating is a water-based dispersion for hot mold applications. When properly applied to a mold, it exhibits outstanding durability and Anti-Stick properties and has a very low coefficient of friction. **TraSys® 3000** is clean, non-oily, non-staining, chemically inert, and can function in high temperatures.

TraSys® 3000 mold release coating has unique properties, making it an excellent release agent for molded rubber, molded fluoropolymer, molded plastic, epoxy, and plastic laminates. Unlike oily release agents, when properly applied, **TraSys® 3000** does not interfere with post-finishing operations.

TraSys® 3000 comes pre-diluted and is ready for use. Proper application results in superior release and multiple releases are normal.

Uses

TraSys® 3000 is ideal for compression, transfer, and injection molding of organic rubber compounds, functioning in molding temperatures exceeding 193 °C (380 °F). **TraSys® 3000** also is ideal where part finish is critical, such as in the manufacture of tires, O-rings and seals. It is not recommended for the molding of silicone elastomers.

Direction for Use

TraSys® 3000 must be agitated before spraying. **TraSys® 3000** mold release coating should be sprayed on hot, clean and dry surfaces. Properly applied, the coating will not be affected by water or most other materials that may come in contact with it.

Recommended Procedure

1. Clean mold thoroughly, using glass or plastic bead media or high pH detergent, to remove all prior mold release and other sources of contamination.
2. Use low-pressure spray equipment that provides a fine mist. After agitation, apply lightly to a hot mold, making certain that all areas of the mold are entirely coated.
3. Allow **TraSys® 3000** mold release to bake onto the mold's surface for five minutes at normal operating temperature (a minimum of 132 °C [270 °F]). Subsequent touch-up applications should also be baked on according to this

procedure. Following this recommendation will give a bond between mold and coating that will ensure the most effective coating for durability and cycle life.

Note: Many companies attempt to schedule touch-up applications prior to shift change or before break periods, allowing TraSys® 3000 to bake without losing productivity from the mold.

Typical Properties

Primary Polymer:	Thermoset Polysiloxanes
Specific Gravity:	1.0
Odor:	Slight
Color:	White
Flash Point:	None

Storage and Handling

TraSys® 3000 should be stored in a cool, dry, well ventilated area. Do not expose to freezing temperatures. Product is perishable if frozen. The product cannot be recovered and used if frozen.

Containers in use should be agitated before use and often during use. Drums will require a low rpm agitator to prevent separation in the storage container.

Breathing vapors should be avoided. If spraying, care should be taken to avoid inhaling mist or vapors, just as sprayed paint inhalation should be avoided.

Care should be taken not to expose **TraSys® 3000** mold release coating to open flame or intense heat. Temperatures above 260 °C (500 °F) may cause chemical breakdown, resulting in toxic fumes. Always wash hands after handling **TraSys® 3000** mold release coating.

Packaging

TraSys® 3000 is available in 1-, 5-, and 55-gal containers.

Technical Assistance

Call: 800-227-5538 or 1 (717) 786-7355
 Email: TimeSaver@StonerSolutions.com
 Visit: StonerSolutions.com/TraSys

The information contained in this TDS is believed to be accurate and reliable. It is recommended that each user test the material and procedures prior to initial use. Nothing stated in this TDS is to be construed as a warranty either expressed or implied.