TraSys® 818

Mold Release Coating

Product Description

TraSys® 818 fluorochemical mold release coating is a water-based dispersion for hot mold applications. When properly applied to a mold, it exhibits outstanding durability and antistick properties and has a very low coefcient of friction. It is clean, nonoily, nonstaining, chemically inert, and can function in high temperatures.

TraSys® 818 mold release coating has unique properties, making it an excellent release agent for molded rubber, molded uoropolymer, molded plastic, and epoxy and plastic laminates. Unlike oily release agents, when properly applied, it does not interfere with post-nishing operations.

TraSys® 818 is ideal for compression, transfer, and injection molding of most rubber compounds, including silicone.

Uses

TraSys® 818 is ideal for rotational mold internals and other molding applications where a consistent, controlled release is desired.

TraSys® 818 is an ideal touch-up for molds coated with TraSys 258 and TraSys 4600 systems.

Direction for Use

TraSys® 818 must be agitated before spraying. TraSys 818 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. Although it is not necessary to bake **TraSys® 818**, in some cases increased performance has been achieved by baking **TraSys® 818** onto the mold's surface for 5 min at normal operating temperature (a minimum of 132 °C [270 °F]). Subsequent touch-up applications can also be baked on according to this procedure. This 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® 818** to bake without losing productivity from the mold.

Typical Properties

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

Storage and Handling

TraSys® 818 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 should be agitated before use and often during use. Drums will require a low rpm agitator to prevent phase separation in the storage container.

Breathing of 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 818 mold release coating to open ame or intense heat. Temperatures above 260 °C (500 °F) may cause chemical breakdown, resulting in toxic fumes. Always wash hands after handling TraSys 818 mold release coating.

If this product is exposed to extreme heat conditions from misuse or equipment failure, toxic decomposition products that include hydrogen uoride can occur. Hydrogen uoride has an ACGIH threshold limit value of 3 parts per million parts of air as a ceiling limit, an OSHA permissible exposure limit (PEL) of 3 ppm of uoride as an 8-hr time-weighted average, and 6 ppm of uoride as a short-term exposure limit (STEL).

Packaging

TraSys® 818 is available in 1-, 5-, and 55-gal containers.

Technical Assistance

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

Stoner Molding Solutions
You Mold It, We Release It.™

TraSys®