Stoner TraSys® 825

MOLD RELEASE COATING

Description

TraSys™ 825 mold release coating is a translucent, water-based fluorochemical dispersion for elastomer molding applications. When applied to a mold, it exhibits outstanding release or antistick properties and has a very low coefficient of friction. It is clean, nonoily, nonstaining, chemically inert, and can function in temperatures to 315°C (600°F) or higher. TraSys™ 825 will meet molders' production, environmental, and safety requirements. It offers an unmatched combination of lubricity and durability, without the use of silicone oils, providing consistent release and reducing mold buildup. TraSys™ 825 is solvent-free, meeting all existing and anticipated environmental regulations. Additionally, TraSys™ 825 contains no alcohols that may form flammable vapors.

Uses

TraSys™ 825 is ideal for elastomer compounds where a consistent, controlled release is desired. The semi-permanent coating produces a durable film on the mold surface, which delivers multiple releases.

Directions for Use

TraSys™ 825 must be agitated before use. TraSys™ 825 mold release coating should be applied on hot, clean, and dry surfaces. Properly applied, the coating will not be affected by water or other material 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 the entire mold surface is coated.
3. Although it is not necessary to bake TraSys™ 825, in some cases increased performance has been achieved by baking 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™ 825 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™ 825 should be stored in a cool, dry, well ventilated area. Do not expose to freezing temperatures. Freezing will affect the physical condition, but will not damage the release effectiveness. Thaw at room temperature, and mix well before using. Containers in use should be agitated before and often during use. Drums will require a low rpm agitator to prevent phase 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™ 825 mold release coating to open flame or intense heat.

Temperatures above 315°C (600°F) may cause chemical breakdown, resulting in toxic fumes. Always wash hands after handling TraSys™ 825 mold release coating.

Shelf Life

6 months from date of shipment

Packaging

TraSys™ 825 is available in 1-, 5-, and 55-gal containers. Larger volume orders may be packaged in specialty containers.

Shipping Limitations

None

For more information or technical assistance:

Call 800-227-5538: **Email:** TimeSaver@StonerSolutions.com **Visit:** Stonersolutions.com/TraSys