



DuPont™ TraSys® 708

MOLD RELEASE COATING

PRODUCT INFORMATION

Description

DuPont™ TraSys® 708 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. It is clean, non-oily, nonstaining, and chemically inert.

TraSys® 708 mold release coating has unique properties, making it an excellent release agent for molded rubber, molded fluoropolymer, molded plastic, and epoxy and plastic laminates. When properly applied, TraSys® 708 does not interfere with post-finishing operations, unlike oily release agents.

TraSys® 708 comes pre-diluted and is ready for use. Proper application results in superior release, and multiple releases are normal.

Uses

TraSys® 708 is ideal for compression, transfer, and injection molding of most rubber compounds.

Directions for Application

TraSys® 708 mold release coating must be agitated before spraying.

TraSys® 708 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 agents 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® 708, in some cases increased performance has been achieved by baking TraSys® 708 onto the mold surface for five (5) minutes at normal operating temperature (ranging from a minimum of 132°C [270°F] to 205°C [400°F]). Subsequent touch-up applications can also be baked on using 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 find that scheduling touch-up applications prior to shift change, or before break periods, allows TraSys® 708 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



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Storage and Handling

DuPont™ TraSys® 708 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 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® 708 mold release coating to open flame or intense heat, as they may cause chemical breakdown resulting in toxic fumes.

Always wash hands after handling TraSys® 708 mold release coating.

Shelf Life

TraSys® 708 has a shelf life of 1 year from the date of manufacture. The date of manufacture and shelf life are posted on the container label.

Packaging

TraSys® 708 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 for technical assistance, please call us at 1-800-441-9503 or contact us at release.systems@usa.dupont.com

For international sales and support contacts, visit us at www.lubricants.dupont.com

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