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## **TR-800**

### **MULTI-PULL**

## **LIQUID SEMI-PERMANENT RELEASE**

#### **DESCRIPTION:**

TR-800 is a water based semi-permanent mold release that bonds a clear thin film to the mold surface for the release of various rubber compounds and other polymers including urethanes, epoxy, polyester, etc.

#### **PRODUCT FEATURES:**

- ★ Ease of application – spray or wipe
- ★ Multiple releases per application
- ★ Multi-purpose – rubber, urethanes, thermoplastics & thermo-sets
- ★ Excellent hi-temp properties (up to 550°F)
- ★ High slip with minimal mold build up

#### **USES:**

- ★ Open mold hand or spray lay up
- ★ Compression molding
- ★ Resin Transfer (RTM) / Vacuum bagging
- ★ Injection molding
- ★ Vacuum forming

#### **MOLD PREP:**

Clean mold surface thoroughly of all previous release agents and sealers using TR-905 mold prep cleaner or other suitable solvents. If heavy build-up is present it may be necessary to compound or abrade surface prior to solvent cleaning

#### **SPRAY APPLICATION:**

Apply 4–6 coats to preheated molds (140°F-400°F) by spray application using finely atomized fan pattern to produce a continuous smooth film, avoiding excess flooding or runs. The drying and cure of the release film shortens depending on mold temperature. The release will cure in (25min approx.) at 140°F and shorten to (10min approx.) at 200°F and 5 minutes or less at temperatures at or above 300°F. Follow wipe application instructions below when spraying on ambient temperature mold.

#### **WIPE APPLICATION:**

Apply light coat to section of mold (approx. 2' x 2') using a clean lint soft free cloth. Wait 30-60 seconds and lightly polish mold surface dry using a separate clean cloth overlapping any previous coated area when working in sections ensuring complete mold is coated. Repeat this for 2-4 coats to the entire mold surface waiting minimum of 15 minutes between coats and 30 minutes after final coat.

**NOTE:** Reapply to mold or specific area of tool when release becomes hesitant as described above. This will vary depending on polymer, cycling, mold geometry, abrasion, etc.

#### **PHYSICAL PROPERTIES:**

Carrier: water  
Shelf Life: 1 year from manufacture  
Wt./Gal.: 8.33 lbs./Gal  
Cure Time: varies (5–25min) depending on mold temp  
Appearance: milky white emulsion

**STORAGE:**

Release should be stored below 100°F and kept in original unopened plastic container with lid tightly closed when not in use. If transferred to another container for use it must be plastic or stainless steel to avoid any possible rust formation.

Available in gallon 4x1/cases, 5 gallon pail and 55 gallon drum. Please contact your local TR distributor or call direct.

**FOR INDUSTRIAL USE ONLY**

*The information contained herein is based on tests considered to be reliable and accurate. Because of the wide variance of associated materials and conditions, no warranty is expressed or implied. Each user is encouraged to prepare a test part for their particular application.*