

Ease Release™ 400 & 405

General Purpose Release Agents



www.mann-release.com

PRODUCT OVERVIEW

Ease Release™ 400 aerosol and Ease Release™ 405 liquid are highly efficient release agents designed to release polyurethane elastomers, Thiokol rubbers, EPDM and other synthetic elastomers from aluminum, chrome, epoxy, polyester, rubber and steel molds. Ease Release™ 400 aerosol offers convenience, while Ease Release™ 405 liquid offers economy for production or large projects.

Ease Release™ 400 and 405 provide excellent release and surface finish to molded parts. Ease Release 400 also provides multiple release in many instances. Precise duplication of mold detail and dimension with minimum mold maintenance and down time resulting in greater productivity.

Features:

- Easy to apply
- Fast drying
- Effective over a broad temperature range from 70°F to 500°F

Provides:

- Excellent release and high gloss
- Excellent surface finish to molded parts
- Precise duplication of mold details and dimensions
- Minimum mold maintenance and down time
- Greater productivity

PROCESSING RECOMMENDATIONS

PREPARATION...CONTENTS FLAMMABLE: Keep product away from flame and all ignition sources. Use this product in a properly ventilated area with at least room size ventilation. Wear safety glasses, long sleeves and rubber gloves to minimize contamination risk. **Store and use material at room temperature (73°F/23°C).**

Apply a Sealing Agent if Necessary – Porous surfaces (concrete, plaster, etc.) often require a sealing agent followed by a release agent when releasing liquid mold making materials. Follow directions on the mold material technical bulletin before proceeding.

EASE RELEASE™ 400 AEROSOL APPLICATION

USE ONLY WITH ADEQUATE VENTILATION:

Shake well before using. Hold can 12 in./30 cm. from surface to be sprayed. Apply a continuous light mist coating to model or mold surface and surrounding forms. Using a soft brush, brush the release agent over entire surface of model or mold in order to break the surface tension and minimize air entrapment. Apply another light mist coating of release agent and let stand for 5 minutes. You are now ready to apply mold rubber or cast into a cured rubber mold.

EASE RELEASE™ 405 LIQUID APPLICATION

Apply using a brush, roller, lint-free cloth or non-aerosol sprayer such as the **Kwikkee™ Sprayer** from Smooth-On over model or mold surface and surrounding forms. If using a non-aerosol sprayer, follow spray application by brushing over all surfaces. Let dry. Repeat application to the model or mold surface and surrounding forms. Let stand for 5 minutes. You are now ready to apply mold rubber or cast into a cured rubber mold.

Because no two applications are quite the same, a small test application to determine suitability is recommended if performance of this material is in question.

PRODUCT CHARACTERISTICS

Ease Release	Weight/ Gallon	Solvent Carrier	Drying Rate	Flammable	Wetting Quality
400 Aerosol	N/A	Dimethyl Ether/1,1 -difluoroethane	Very Fast	No	Excellent
405	6.0#	Petroleum Hydrocarbons	Fast	Yes	Excellent

PAINTING A FINISHED CASTING...

One method for applying paint to a casting is to remove release agent from casting with a solvent such as isopropyl alcohol or acetone. Next, apply one to two coats of auto body primer (available at most auto parts stores) and let dry. Finally, apply acrylic or similar base paint.

There are better ways to address the issue of "Painting a Finished Casting" and still gain the benefits of using a mold release. Visit www.smooth-on.com and visit our FAQ section under "Casting" to learn how.

Safety First!

The material safety data sheet (MSDS) for this or any Smooth-On product should be read before using and is available on request. All Smooth-On products are safe to use if directions are read and followed carefully.

Be careful.

EASE RELEASE™ 400 AEROSOL - CONTENTS UNDER PRESSURE. FLAMMABLE: Keep product away from heat, sparks, flames or open flame. Do not puncture, or incinerate container. Do not expose to heat or store at temperatures above 120°F/48°C. Use only with adequate ventilation. Contains halogenated hydrocarbon/ether blend, CAS # n/a.

EASE RELEASE™ 405 LIQUID - FLAMMABLE: Keep product away from flame and all ignition sources. Use this product in a properly ventilated area with at least room size ventilation.

First Aid: If swallowed, do not induce vomiting. Call physician immediately. If overcome by vapors, remove person from contaminated area. Do not give epinephrine. For eye contact, flush eyes thoroughly with water for 15 minutes. For skin contact, wash thoroughly with warm soapy water.

Note: Inhalation of high concentrations of vapor can cause central nervous system depression and/or heart irregularities. May generate toxic gases on contact with open flame. EYE IRRITANT. Wear eye protection. Avoid contact with eyes and prolonged or repeated contact with skin. Use only as directed. Keep out of reach of children.

IMPORTANT - The information contained in this bulletin is considered accurate. However, no warranty is expressed or implied regarding the accuracy of the data, the results to be obtained from the use thereof, or that any such use will not infringe a copyright or patent. User shall determine suitability of the product for the intended application and assume all associated risks and liability.



Call Us Anytime With Questions About Your Application

Toll-free: (800) 381-1733 Fax: (610) 252-6200

The new www.smooth-on.com is loaded with information about mold making, casting and more.