**PRODUCT OVERVIEW**

**EZ~Spray® Plastic** is an improved version of our original sprayable polyurethane plastic compound. With higher impact resistance, this new spray plastic was specifically formulated to be mixed and sprayed via Smooth-On’s EZ~Spray® Jr. Spray System. **EZ~Spray® Plastic** is versatile and can be sprayed over a rubber mold to create "mother molds" or support shells. It can also be sprayed or meter mixed into rubber molds as a fast setting casting resin. Cured plastic is lightweight, tough and durable. **EZ~Spray® Plastic** has a fast gel time for vertical surface application. Material cures in about 3 hours (depending on mass). Refer to the EZ~Spray® Machine Jr. Video Manual before spraying plastic.

**PROCESSING RECOMMENDATIONS**

**Preparation** - Store and use at room temperature (73°F/23°C). These products have a limited shelf life and should be used as soon as possible. Environmental humidity should be as low as possible. Good room size ventilation is essential. Wear safety glasses, long sleeves and rubber gloves to minimize contamination risk. Spraying should be done in a well-ventilated area.

**Breathing protection:** Everyone in the spray area should wear an independent air supplied hood or NIOSH approved breathing mask.

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**Do Not Attempt To Spray Rubber Or Plastic Without First Reading The EZ~Spray® Junior Manual!**

**Apply A Sealer** - If spraying plastic over a porous surface, (gypsum plasters, concrete, wood, stone, etc.) a sealer must be applied to facilitate release followed by applying a release agent. SuperSeal® (available from Smooth-On) is a fast drying sealer suitable for sealing porous surfaces without interfering with surface detail. Shellac is suitable for rough contours and modeling clays that contain sulfur or moisture (water based). Non-Porous models made of metal, glass, acrylic, pvc, other hard plastics and sulfur-free clays require only a release agent which should be allowed to dry before applying the rubber.

**Applying A Release Agent** - A release agent is necessary to facilitate demolding when spraying into or over most surfaces. Use a release agent made specifically for mold making (Universal® Mold Release) available from Smooth-On or your Smooth-On distributor). A liberal coat of release agent should be applied onto all surfaces that will contact the plastic.

**IMPORTANT:** Apply release agent to all surfaces that will contact the rubber. To ensure thorough coverage, lightly brush the release agent with a soft brush over all surfaces of the model. Follow with a light mist coating and let the release agent dry for 15 minutes.

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

**APPLYING, CURING & PERFORMANCE...**

After Material Cartridge Is Loaded & Prepared depress trigger and begin spraying.

**Spraying** - For best results, always spray in a waste bucket first to purge any solvent in the spray machine lines. Spray on a thin first coat, moving quickly. Spray undercuts and recesses first. Wait two minutes between first and second coats. Heat from the first coat will speed the cure of the others. Spray bottom edges with many thin coats to avoid drips and voids. Work from bottom to top. Increase the pressure for heavier coats and cut the tip to get a better spray pattern.
Curing - EZ-Spray® Plastic will gel immediately and can be demolded in about three hour depending on mass, configuration and ambient temperature.

Performance - Cured EZ-Spray® Plastic is semi-rigid and durable. Plastic resists moisture, moderate heat, solvents, dilute acids and can be machined, primed/painted or bonded to other surfaces (any release agent must be removed). If machining cured EZ-Spray® Plastic, wear dust mask or other apparatus to prevent inhalation of residual particles. Castings can be displayed outdoors after priming and painting. Unpainted castings will yellow when exposed to ultra-violet light.

Safety First!

The Material Safety Data Sheet (MSDS) for this or any Smooth-On product should be read prior to use and is available upon request from Smooth-On. All Smooth-On products are safe to use if directions are read and followed carefully.

Be careful.

Part A contains methylene diphenyl diisocyanate. Vapors, which can be significant when prepolymer is heated or sprayed, may cause lung damage and sensitization. Use only with adequate ventilation. Contact with skin and eyes may cause severe irritation. Flush eyes with water for 15 minutes and get immediate medical attention. Remove from skin with soap and water.

Part B is irritating to the eyes and skin. If contaminated, flush eyes with water for 15 minutes and seek immediate medical attention. Remove from skin with soap and water. When mixing with Part A follow precautions for handling isocyanates. If machining cured EZ-Spray® Plastic, wear dust mask or other apparatus to prevent inhalation of residual particles.

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 upon a patent. User shall determine the suitability of the product for the intended application and assume all risk and liability whatsoever in connection therewith.

Call Us Anytime With Questions About Your Application

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