



EZ~Spray™ Foam

Sprayable Rigid Foam

PRODUCT OVERVIEW

EZ~Spray Foam is a polyurethane foam compound that can be conveniently sprayed using Smooth-On's EZ~Spray Junior System. Foam cures quickly to strong, lightweight and impact resistant 12 lb. rigid foam that can be used for a variety of applications including making lightweight castings. Foam can also be sprayed over certain rubber mold configurations as a mother mold material. For more information, refer to Smooth-On's EZ~Spray Junior manual and video.

TECHNICAL OVERVIEW

Key Values: ~**Mixing Ratio:** One to One by volume. ~**Color:** Tan ~**Density:** 12 lbs./cu. ft.
~ **Pot Life:** 13 Seconds When Mixed ~**Demold Time:** About 2 minutes (Depending on Mass)

Description: EZ~Spray™ Foam consists of two liquid components in an EZ~Spray cartridge. When combined in a mixing ratio of one to one by volume, EZ~Spray Foam quickly cures to a solid, rigid and durable foam.

COMPONENTS	VISCOSITY	S.G. g/cm ³	S.V. cu. in./lb.
Part A	200 cps	-	-
Part B	1,000 cps	-	-
Mixed Part A + B	variable	0.19	144

Applying A Release Agent

Mixing

Do Not Attempt To Spray Foam Without First Reading The EZ~Spray Junior Manual!

Preparation . . . Materials should be stored and used in a warm environment (72° F / 22° C). This product has a limited shelf life and should be used as soon as possible. Model surface should also be at room temperature. Spraying should be done in a well-ventilated area. **Breathing protection:** Anyone in the spray area should wear an independent air supplied hood or NIOSH approved breathing mask. Wear safety glasses, long sleeves and rubber gloves to minimize contamination risk. **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.**

Applying A Release Agent . . . This foam is adhesive and will stick to almost any surface. A release agent is necessary to facilitate demolding. Ease Release 2831 (available from Smooth-On or your Smooth-On distributor) is made for releasing urethane foams from most surfaces.

Mixing & Applying . . . Follow instructions for spraying as provided in EZ~Spray™ Junior Manual.

Spraying

Curing

Performance

Spraying. . . . For best results, always spray in a waste bucket first to establish an appropriate product and air volume level. Spray onto model or into mold, applying a thin first coat, moving quickly. 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 volume pressure for heavier coats. Consult **EZ~Spray Junior Video and Instruction Manual** for more information.

Curing . . . EZ~Spray Foam will harden immediately and can be handled or demolded in about 5 minutes depending on mass and configuration.

Performance . . . Cured castings of EZ~Spray Foam are rigid and durable. They resist 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 Foam, 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 over time - more quickly when exposed to ultra-violet light. 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.

Safety First!

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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. **Anyone in the spray area should wear a Niosh approved respirator or independent air supplied hood, gloves and safety glasses.**

Be careful. EZ~Spray Foam Part A contains methylene diphenyldiisocyanate. 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. Avoid prolonged or repeated skin contact. If contaminated, flush eyes with water for 15 minutes and get 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 Foam, wear dust mask or other breathing 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 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.

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