

TIPS FROM OUR ARTISTS

Test on a piece of scrap foam before using. Use exact proportions.

Warming part B Poly component to 70-75 degrees before use will make mixing much easier.

Use a silicone squeegee for spreading. The silicone pour spouts made for 1 gallon paint cans work well for curved areas, plus you can just peel the dried Styroplast off later.

Use throwaway brushes to save cleaning time and use of solvents.

An air conditioned room will deliver an ideal low humidity and slow the setup time. Move coated object to a warm humid area to promote faster drying.

Pour mixed Styroplast directly onto the foam and quickly spread. It will set up faster in the mixing bucket than it will once it's spread.

It will slowly drip off vertical surfaces, so keep troweling it upward. Just before it sets, leave it be or you will leave brush or trowel lines in the finished surface. You are in a race against setup time.

Use our Medium Mesh for extra strength, especially in seams and corners.

Apply multiple coats when needed. Best to re-apply 2-12 hours after each coat is applied. Easily sanded between coats.

One customer thins Styroplast using a 1:10 mix of denatured alcohol with Part A. He said that it also removed moisture so he didn't get any effervescing. Part A sucks in moisture from the atmosphere and releases it in the form of little bubbles during curing. An RC airplane builder said he used mineral spirits in a 1:18 (1 mineral spirit to 18 A+B).

Go to the Styroplast Product page at www.HWFF.com and watch the instructional videos created by our customers.

CAUTIONS!

MAY CAUSE MILD SKIN AND EYE IRRITATION. MAY CAUSE SKIN SENSITIZATION. INHALATION OF VAPORS SHOULD BE AVOIDED. FOR ADDITIONAL INFORMATION AND HANDLING INSTRUCTIONS READ THIS PRODUCTS MATERIAL SAFETY DATA SHEET

Avoid contact with eyes & skin. Avoid breathing vapor or mist. Do not take internally. Wear chemical tight goggles and full face shield while mixing. Wear impervious gloves and apron. Use approved dust mask while sanding. Wash thoroughly after handling.

In case of eye contact, flush immediately with water, consult a physician. Wash hands with soap and water after use and before eating.

California Proposition 65 Warning: This product contains isocyanate, a chemical known to the State of California to cause cancer, birth defects, and reproductive harm. Ventilation, gloves and protective clothing required during application. For more information, go to www.P65Warnings.ca.gov

**FOR PROFESSIONAL & INDUSTRIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN**

WARRANTY: HWFF Inc./dba Hot Wire Foam Factory warrants this product to be of merchantable quality when used or applied in accordance with the instructions herein. The product is not warranted as suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of its product (as purchased) found to be defective, or at the shipping companies' option, to refund the purchase price. In the event of a claim under this warranty, notice must be given to The Hot Wire Foam Factory in writing. This limited warranty is issued and accepted in lieu of all other express warranties and expressly excludes liability for consequential damages. MSDS available.

Hot Wire Foam Factory

STYROPLAST



**Ultra tough urethane coating
Protect and beautify your foam projects**

- Adheres to polystyrene foams
- Apply with paintbrush or trowel
- Smooth plastic finish in neutral tan color
- Paintable and sandable
- Lightweight
- Retains fine details
- Tougher than epoxies
- Permanent and waterproof
- Fire resistant
- Short cure time
- 100% solids
- Made in USA

Read all instructions and cautions carefully.

www.HotWireFoamFactory.com

Introduction

Amazing brush-on encapsulant with a fast set time. A super thin coat provides an impact, water, and fire resistant shell for EPS and Styrofoam. Whether you are producing signage or protecting detailed forms for large themed scenery or small delicate models, Styroplast will outperform all other coatings.

EQUIPMENT: Ordinary stiff paintbrush, trowel, or squeegee. Clean up (before mixture dries) with acetone or MEK.

REACTIVITY: Potlife (brush): 12-15 minutes @ 76°F (Up to 20 minutes in cool dry environment); Potlife (trowel): 9-12 minutes @ 76°F (Up to 20 minutes in cool dry environment.)

COVERAGE: This coating is very strong, even when applied very thin:

Thickness	1/64"	1/32"	1/16"	1/8"	1/4"
Coverage	103 sq ft	51 sq ft	26 sq ft	13 sq ft	6.5 sq ft

MIXING: 1 unit ISO/Part A: 3 units POLY/Part B by volume, or 1 unit ISO: 3.55 units POLY by weight. If needed, power mix Poly component before beginning to apply. This takes a minimum of 5 minutes per 1 gallon pail with proper mixing equipment. Mix with a slow speed drill and paddle mixer. Hand mixing is fine for small quantities. Must mix very exact proportions. We highly recommend using our reusable accessory measuring Syringe or an accurate scale for small quantities.



CURE TIME: Applied coating will set in about 2 to 5 hours at 70°F, depending on film thickness, liquid material temperature and the substrate temperature. Generally, complete cure takes from four to five days at room temperature. Product can be placed into service after one complete day of cure at 70°F minimum. After four days cure the hardness is around 65 shore D . Higher hardness may be attained by post heating the part to 90 – 110°F after 6 hours cure time. If you paint after 12 hours you will need to lightly sand the surface, or better to apply an epoxy primer for paint to stick.

PAINTING: It is encouraged to begin priming or painting the plastic at the first sign of cure to maximize adhesion. Can be primed or painted with nearly any kind of paint between 0-12 hours after gelling. If you paint after 12 hours, you will need to lightly sand the surface, or better to apply an epoxy primer for paint to stick. Cure time is greatly enhanced by application of heat.

THINNING: Do not thin. Styroplast components cannot be cross mixed with any other coating components.

STORAGE: Styroplast is sensitive to moisture. Store in a dry place between 60-90°F. Do not preheat over 100°F without mixing. Shelf life is over 6 months for the "A" side (ISO) and 12 months for the "B" side (POLY) in original unopened containers. All containers must be sealed when not in use. Containers that have been opened should be used within one week. To prolong the shelf life of opened containers, it is recommended that a blanket of nitrogen be applied to the container or desiccant cartridge inserted into the container opening.

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