

## Tips From Our Artists

Pour the liquid ingredient into your mixing container. Add Foam Coat until you get the thickness that you need. Apply a little bit on a vertical surface until it is just thick enough that it won't run off. The thinner the mixture the more detail you will retain. You can always add more of the wet or dry ingredients as you go to change the consistency, just make sure you stir it in well.

Make a thick mixture to begin with and use that to fill in any dings. Then, thin it out with more liquid and apply it with a paintbrush. Heavy bristled paintbrushes work best, like a stucco brush. Light bristled brushes tend to not release the Foam Coat onto the foam. You can go back over the surface with a lighter brush once the Foam Coat is on the foam.

If you don't add enough Foam Coat to the liquid, and then over-stir it, the ingredients in the Foam Coat can separate and the Foam Coat will not go on well and will not harden properly.

Boost will make Foam Coat stick like crazy to almost anything, even nonporous surfaces.

Use Mesh, a lightweight woven fiber reinforcement, for the ultimate in Foam Coat strength. It works much better than fiberglass on contoured shapes. Your first coat should be fairly wet, so it soaks into the fiber.

Working with Foam Coat and the fortifiers is not a definitive science. There are many variables, including settling (which can make the powder more dense), hardness of the water you are using, temperatures of the ingredients, air temperature, and humidity. If you follow basic instructions you will get fairly consistent results. If you keep track of your mixtures as you go, it will make it easier to measure out the perfect ingredient ratios for future projects.

**See our FAQs and videos on the Exterior Foam Coat page at [www.hwff.com](http://www.hwff.com)**

**WARNING:** Avoid prolonged contact with skin. Wear dust, skin and eye protection. Use approved respirator when mixing and sanding. In case of eye contact, flush immediately with water, consult a physician. Wash hands with soap and water after use and before eating. Keep out of reach of children.

**California Proposition 65 Warning:** This product contains crystalline silica, a chemical known to the State of California to cause cancer, birth defects, and reproductive harm. While mixing the dry ingredients use a dust mask or respirator with an RPE of 20 or 40. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**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

## HOT WIRE FOAM FACTORY EXTERIOR FOAM COAT



**Rock hard coating protects and beautifies your outdoor and indoor foam projects**

- Adheres to polystyrene foams
- Forms a weather-resistant surface
- Use above or below grade
- Apply with paintbrush, trowel or hopper gun
- Paintable
- Fireproof
- Many decorative surface textures can be created
- Soap and water clean-up
- Add Boost fortifier if extra strength is desired. (will not work with Bounce)
- Made in USA

Read all instructions and cautions carefully.

**[www.HotWireFoamFactory.com](http://www.HotWireFoamFactory.com)**

## Introduction

There are many ways of using and applying Foam Coat, it is more of an art than a science. Experiment with different surface effects on scraps of foam until you have your own palette.

## Exterior Foam Coat Mixing Formulas

Exterior Foam Coat	Water
3 Parts (by volume)	1 Part
3 lbs	8 oz / 1 Cup (Makes Slightly Dry Mix)
25 lbs	1/2 Gallon (Makes Slightly Dry Mix)
50 lbs	1 Gallon (Makes Slightly Dry Mix)

**MIXING:** Settling may occur in shipping causing a gritty texture that does not stick well. Remix if there is separation in dry mixture. Remove or break up any clumps. Use when temperatures are between 40°F (4°C) and 100°F (38°C). Mix in a clean container with clean water. Use 1 part cool water per 3 parts of powder (for example, 1 cup of water per 3 cups of powder). Add water to powder and mix until Foam Coat turns to a smooth paste. Add more powder or water as needed for your application. A drier mix is stronger. If you add Boost, a wet mix is stronger. Do not over mix. You can add powdered or water base cement pigments while mixing in the wet ingredients.

**APPLYING:** If using extruded foam (ie Blueboard or Pinkboard) roughen surface with coarse sandpaper. Fill big cracks and holes by applying pasty mixture with a trowel. You may add more water until mixture is thin enough to apply with a paint brush, although thinning weakens coating. Can be applied with a standard spray hopper. Use thinned mixture to texture large areas. For best strength apply at least 1/4" (6mm) thick. Multiple coats may be applied. Try texturing surface before coating sets.

**CURE TIME:** Working time of 1.5-3 hours. Reaches 80% of its strength in 12-24 hours, depending on temperature and humidity. Fully cures in 3-5 days. Lightly fogging the surface on and off for 24 hours will increase strength.

**FINISHING:** Remove dust before painting or staining. This product goes on rough and is not sandable. Finish as the surface is setting up.

**CLEAN-UP:** Clean tools and brushes with clean soapy water before coating hardens. If you add Boost, don't leave any residue as it will be impossible to clean after it dries.

## Exterior Foam Coat Coverage

Coverage does not increase when liquid ingredients are added to Foam Coat.

	3 lbs	25 lbs	50 lbs
1/64 Inch Thick	36 sq ft	288 sq ft	576 sq ft
1/32 Inch Thick	18 sq ft	144 sq ft	288 sq ft
1/16 Inch Thick	9 sq ft	72 sq ft	144 sq ft
1/8 Inch Thick	4.5 sq ft	36 sq ft	72 sq ft
1/4 Inch Thick	2.25 sq ft	18 sq ft	36 sq ft

## Boost Fortifier Usage

Always dilute with at least 50% water. It's okay to use more water than Boost, but that will diminish the Boost's strength.



1 Gallon Boost + 1 Gallon Water	50 - 200 lbs Foam Coat
32 oz Boost + 32 oz Water	12 - 50 lbs
16 oz Boost + 16 oz Water	6 - 25 lbs
8 oz Boost + 8 oz Water	3 - 12 lbs

## Tech Specs

**COMPRESSIVE STRENGTH:** ASTM C109

1 Day 750 psi  
7 Day 2500 psi  
28 Day 3500 psi

**FLEXURAL STRENGTH:** ASTM C348

1 Day 350 psi  
7 Day 550 psi  
28 Day 1250 psi

**FIRE DATA:**

Flammability: Noncombustible and not explosive.  
Auto-ignition Temperature: Not Applicable  
Flash Points: Not Applicable

[www.HotWireFoamFactory.com](http://www.HotWireFoamFactory.com)