



Mix & Install Reference Guide

EnviroFluff is an energy absorbing thermoplastic olefin foam which is ground to specifications for use as a cushioned layer for safety surfacing in dry play environments as well as aquatic surfacing. **EnviroFluff** has been designed to have a high resistance to environmental degradation and to withstand chemicals such as chlorine. **EnviroFluff** does not contain metals or harmful chemicals that will leach out or pose any health threats to children or the environment. **EnviroFluff** was developed to provide a long-term solution to meet and/or exceed impact attenuation (ASTM F1292) standards for Playgrounds as well as to offer a safety surface for Aquatics/Water play.

Quick References:

- **Mixing ratio** - 22 lbs. of **EnviroFluff** to 3 Quarts of Polyurethane Binder.
- **Spread Rate** – One (1) lb. per square foot per inch
- **See Mixing Ratio Chart for assistance.**

*Please read Safety Data sheets (SDS) and wear protective clothing & gloves when using polyurethane binders. If urethane binder gets on skin, wash with soap and water immediately and refer to your SDS's for more information.

Sample Procedures/Instructions -

Tools: Measuring Pails, Gloves, Mixing Pails, Wheel Barrow, Garden Hoe, Metal shovel or scoop, Trowel E.Z., Spray Bottle, Hand Trowels, Dawn dish detergent (or equivalent).

1. Determine the size of the sample area and depth.
2. Measure/Weigh the appropriate amount of **EnviroFluff** and Polyurethane Binder required to complete desired sample(s).
 - a. *Aromatic Polyurethane used for Dry Play applications.*
 - b. *Flecks® Binder to be used for Aquatic Surfacing, Water Play applications.*
3. Pour pre-determined amount of urethane binder onto the **EnviroFluff** in a mixing pail or wheel barrow and mix thoroughly for 1-2 minutes until **EnviroFluff** is evenly coated.
4. Pour out and Spread **EnviroFluff** to your desired depth/thickness with a trowel or screed.
5. Spray trowel with Flecks® Trowel E-Z lubricant and lightly trowel **EnviroFluff** for a flat, even surface making sure particles are not sticking up. Be sure not to compact the **EnviroFluff** tightly.
 - a. For dry play applications, a solution of soap and water may be used to lubricate your trowel. (Dawn Dish Detergent or Equivalent).
6. Let surface cure for a minimum of 12 Hours. (In temperatures below 70°F surface may take longer to cure)

*A prime coat is recommended to be applied @ approximately 100 sf per gallon prior to applying a wear course on top.



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Installation Procedures/Instructions –

- For a more detailed installation guide on surface preparation and installation guidelines, please refer to one of our Flecks® Systems Manufacturer Specification's related to your current or future project.

Tools: Imer Mixer/Concrete Mortar Mixer, Wheel Barrow, 2 ½ quart - 1 gallon measuring pails, Gloves, knee pads, Trowel E.Z., Garden Sprayers, Hand Trowels, Screed Box, Fresno, Metal Garden Rake, Metal Shovel, ½" naph rollers and frames, extension pole, paint brushes (min. 2" wide).

**For installations on a hard base such as concrete, asphalt, fiberglass, etc., a prime coat is recommended.*

1. Mix Ratio: One (1) bag of **EnviroFluff** to One (3) Quarts of Polyurethane Binder.
 - a. Aromatic Polyurethane used for Dry Play applications.
 - b. Flecks® Binder to be used for Aquatic Surfacing, Water Play applications.
2. Pour pre-measured amount of urethane binder onto the **EnviroFluff** in a Imer Mixer/or equivalent. Mix thoroughly for 1-2 minutes until **EnviroFluff** is evenly coated.
3. Empty mixed **EnviroFluff** into a wheel borrow and transport to the substrate to be resurfaced. Empty wheel barrow into a screed box or directly onto the surface and spread out at your desired depth/thickness.
4. Spray trowel with Flecks® Trowel E-Z lubricant and lightly trowel **EnviroFluff** for a flat, even surface making sure particles are not sticking up. Be sure not to compact the **EnviroFluff** tightly.
 - a. For dry play applications, a solution of soap (Dawn Dish Detergent or Equivalent) and water may be used to lubricate your trowel.
5. Let surface cure for a minimum of 12 Hours. (In temperatures below 70°F surface may take longer to cure)

**A prime coat is recommended to be applied @ approximately 100 sf per gallon prior to applying a wear course on top.*