

POLYFIRM Trail Binder

INSTALLATION INSTRUCTIONS

⚠ **DO NOT THROW THESE AWAY** ⚠

Important: Critical Weather Conditions

Temperatures must be within installation specifications: Daytime above 70°F and Nighttime above 50 °F with a **48 hour rain-free window**

No shortcuts: If rain hits before cure, the polymer washes out. The surface can be covered if it rains but this is not ideal as it will extend curing time.

In extremely hot and dry conditions, add ½ part extra water to compensate for evaporation.

Application Process

1. **Mask** – Cover all concrete, pavers, and wood.
2. **Loosen** – work grade material with rake to break up clumps or packed down areas
3. **Apply** – Spray diluted mix onto ≈4 linear ft long (or 4'x4') sections until surface is evenly wet but not dripping.
4. **Rake** – Work liquid through full 3" depth.
5. **Compact** – One light pass with vibratory plate, roller, or boot-tamping; step firmly on edges.
6. **Edge Coat** – Extra pass of mix along joins and high-traffic zones.
7. **Repeat** – Move to next section; continue until surface is complete.



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Material & Layer Thickness (Typ. Foot Traffic)

<u>Path Layer</u>	<u>Specification</u>	<u>Typical Finished Thickness</u>
Top course (walking surface)	¼" minus crushed granite	3"
Base course (optional)	⅝" minus crushed aggregate	As specified by design

Mix & Coverage

Standard Dilution

1 part Polyfirm : 5 parts clean water (by volume)

How Much Mix Do I Need?

Width	Length	Polyfirm	Water	(1 gallon = 4 quarts)
3 ft	5 ft	1 quart	5 quarts	
4 ft	4 ft	1 quart	5 quarts	
6 ft	24 ft	3 gallons	15 gallons	
12ft	40 ft	10 gallons	50 gallons	

Tip: A 3-gal hand sprayer comfortably holds ≈ 2.5 gal of mix (½ gal Polyfirm + 2 gal water) – enough for about 10 feet of 4 foot wide path.

Preparation **CRITICAL**

POLYFIRM cannot penetrate compacted gravel.

1. **Loosen** – Till, rake, or scarify the top 3" wherever it is hard-packed.
2. **Fluff** – Final pass with a rake immediately before spraying.
3. **Clean** – Remove standing water, roots, and debris.

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Protect Adjacent Surfaces

Polyfirm bonds permanently to concrete, stone, wood, and metal.

- Mask edges with plastic, tape, or scrap boards.
- **Keep a broom and bucket of clean water ready** – scrub spills immediately.

Curing

- **Block sprinklers**; cover if rain is expected.
- Light foot traffic is OK after **two warm days**; wait for full cure before heavy use.

Maintenance & Touch-Up

- Store a hand sprayer with the 1:5 mix for quick edge repairs.
- Re-treat high-wear zones annually or as needed.

Load-Out Checklist

- ☐ Polyfirm concentrate
- ☐ Clean water (calibrated buckets)
- ☐ Mixing pail / measuring jug
- ☐ Pump or hand sprayer (3–5 gal)
- ☐ Landscape rake
- ☐ Vibratory plate / lawn roller
- ☐ Masking (plastic, tape, boards)
- ☐ Broom & bucket of water
- ☐ PPE: gloves, eye protection, dust mask