

POLYWATER® PEDFLOOR™ SYSTEM (PF-3)



POLYWATER® PEDFLOOR™ SEALANT

PedFloor creates a strong protective ground barrier for pedestals and cabinets. It cures to a structural foam matrix directly on the ground or as a suspended floor. PedFloor withstands weather extremes. It protects the structure and interior equipment by blocking out water, rodents, snakes and insects.

INSTALLATION

Installation temperature:

35°F to 110°F (2°C to 43°C)

In-service temperature:

40°F to 250°F (-40°C to 120°C)

- Make sure surface is smooth and level.
- Mix well, using one kit at a time.

SAFETY

- Wear eye protection.
- Use protective gloves and protect bare skin.

Prior to Installation

Determine the quantity of PedFloor required, measuring the length and width of the area to be filled. Do not subtract conduits or wire area.

Area square foot = length inches X width inches /144

Area square meter = length cm X width cm/10000

PedFloor is available in multiple sizes. Multiple kits may be used to fill an area.

Cat #	Area Covered
PF-1	1 square foot (0.1 m ²), 3-inch (7.6 cm) depth
PF-2	2 square foot (0.2 m ²), 3-inch (7.6 cm) depth
PF-3	3 square foot (0.3 m ²), 3-inch (7.6 cm) depth



Create shallow channels to
direct flow

1. Smooth and level the target surface. Cover porous surfaces such as pea gravel and rocks with at least one inch of sand or dirt.

Once the area has been leveled, shallow channels may be added along the edges of the area and between any conduits. Such channels aid the flow of the PedFloor for better coverage of the target surface before reacting.



Pour 1 bottle Part A, then 1 bottle Part B into mixing pail

2. Use the empty pail (provided) to mix the PedFloor. Pour the bottle of PedFloor Part A into the pail. Next, shake bottle of PedFloor Part B to pre-mix and pour into the pail. Mix well for using stir stick (included) for about 30 seconds until the PedFloor is a uniform gray with no streaks. After mixing, set aside the stir stick for later use in directing the flow of the sealant.

The mixed sealant should be applied within 5 minutes of the completion of mixing.



Slowly pour mix into target area

3. Slowly pour the sealant into the target area. Rapid pouring can cause unwanted pooling of the material. Initially, the mixed material is thin and has good flow properties.

For best results pour material into several spaced points in target area.



Use a 2-inch (50 mm) conduit to safely direct material

4. A 2-inch (50 mm) conduit may be used as a pour spout to safely direct the PedFloor into hard-to-reach spots.



Spread the PedFloor material with stir stick

5. Once the entire PedFloor mixture is deployed, observe the flow of the liquid throughout the area. Pools of sealant may be directed and spread with the stir stick for several minutes. Once sealant starts to thicken, allow it to react undisturbed. Sealant will continue to flow and expand for up to 20 minutes after it is mixed.



Fill gaps with FSTBP

6. Inspect seal to make sure PedFloor adheres to all component edges and surfaces so that no gaps are apparent.

Note: Small gaps may be sealed with PF-1. Total coverage area is 1 ft² (0.1 m²) 3 inches (7.6 cm) thick.



Fill in gaps with additional material.

7. Inspect seal to make sure PedFloor adheres to all component edges and surfaces so that no gaps are apparent.

Mix and install each PedFloor individually, waiting for each kit to react before deploying the next kit (approximately 20 minutes). Sealant bonds well to itself so that multiple applications have the same strength as a single deployment.

Alternative method

Elevated or shelf application:

Cut the plastic sheet 2-4 inches (5-10 cm) larger than the area being filled. (1-2 inches (2.5-5 cm) on each side)

1. Clean and clear the areas where duct tape will attach the plastic, including the conduits/cables and pedestal sides. A brush effectively removes dirt and dust.
2. If conduits/innerducts do not extend at least 4 inches (10 cm) above the plastic floor level, protect with split innerduct or other material to ensure re-enterability.
3. For best results, create a support for the plastic sheet. Use 14 gauge (210 mm²) or heavier wire (and/or cardboard) to form a lattice level. Wire supports should be placed approximately every 6 inches (15 cm), both lengthwise and widthwise. Wire ends should overlap the opening by no more than 1 inch (2.5 cm) so that they remain covered by the plastic.
4. Slide the plastic to cover the area at the chosen level, cutting slits as needed to accommodate conduits/cables. The plastic should overlap 1-2 inches (2.5-5 cm) on all sides.

Tape the plastic sheet so that it is level with the edge of the pedestal. (Duct tape is provided with kit.) Seal slits and tape around conduit/cables so that there are no holes for leakage. Make sure plastic is as level and flat as possible. Tape serves to both seal the opening in the plastic and to support the plastic level with the edge of the pedestal.

STORAGE AND HANDLING

Keep containers cool, dry, and away from sunlight.

Product shelf life is 18 months.

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IMPORTANT NOTICE: The statements here are made in good faith based on tests and observations we believe to be reliable. However, the completeness and accuracy of the information is not guaranteed. Before using, the end- user should conduct whatever evaluations are necessary to determine that the product is suitable for the intended use.

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