Polywater®
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POLYWATER® PEDFLOOR™ SYSTEM

(PF-1 & PF-2)

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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 one kit at a time.
- Mix vigorously, kneading each chamber 30 times.

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

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.

Burst primary seal

2. Roll the pouch section containing the part A toward the center burst seal. Apply pressure until the primary burst seal ruptures, allowing Part A and Part B to mix.

Knead burst pack 30 times

3. Knead the pouch by pushing on each side **30 times** vigorously back and forth to thoroughly mix Part A and Part B.

Mix well. Two parts should be fully combined for best results.

Burst secondary seal

4. After thoroughly mixing two parts, roll the end of the burst pack toward the burst seal near the application nozzle. Apply pressure until the secondary seal ruptures.

Apply PedFloor

5. Roll and squeeze the burst pouch to apply the PedFloor into the target area. PedFloor will dispense at a controlled rate. The tip of the nozzle can be trimmed to facilitate faster application.

For best results apply material throughout the target area to form a thin coat about 1/4 to 3/8-inch (0.6 to 1.0 cm) thickness of PedFloor.

Spread PedFloor with stick

6. Once the entire PedFloor burst pouch is deployed, observe the flow of the liquid throughout the area. Pools of PedFloor may be directed and spread with a stick for several minutes. Once PedFloor starts to thicken, allow it to react undisturbed. PedFloor will continue to flow and expand for 20 minutes after it is mixed.

Fill gaps with FSTBP

7. 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 (7.5 cm) thick.

Finished seal

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

   Excess material can be trimmed. PedFloor is re-enterable. It may be drilled or sawed similar to wood.

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.

CONTACT US

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