



# ProPan WPM Shower Kit

DS-PROPANWPMKIT-031225

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## 1. PRODUCT NAME

FinPan ProPan WPM Shower Kit

## 2. MANUFACTURER

FinPan, Inc.

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## 3. PRODUCT DESCRIPTION

ProPan WPM Shower Pan Kit is a UPC rated pan that is constructed of lightweight, high-density expanded polystyrene, fiberglass mesh and a liquid waterproof membrane finish coat. ProPan adheres to industry standard 1/4" per foot drain slope and comes standard with integrated drain assembly. ProPan is 100% waterproof and ready-to-tile. WaterArmor WP Membrane is a 2m (6'6") wide, thin load bearing, bonded, sheet membrane for waterproofing applications. WaterArmor WPM meets ANSI A118.10 for Load Bearing, Bonded, Waterproof Membranes and ANSI A118.12 for Crack Isolation Membranes. It's in compliance with UPC and IPC and is IAPMO listed.

**Materials:** Circular saw with adjustable guide or utility knife for field modification of ProPan or drain strainer, modified thinset for setting pan, tile and WPM, 1/4" x 1/4" (6 mm x 6 mm) square notched trowel for installing pan, PVC (Polyvinyl Chloride) or ABS (Acrylonitrile Butadiene Styrene) cleaner and solvent for waste line connection, Eco-Flex EF-9500 polyurethane sealant and caulk gun to apply sealant in the ProPan rabbet joint and WaterArmor WP Membrane band seams and putty knife to ensure continuous seal of polyurethane sealant. 1/8" to 1/4" V-notched trowel for WaterArmor WP membrane wall installation.

### Advantages

- Pre-sloped ready-to-tile pan eliminates need for traditional mud bed installations
- Lightweight, durable and easy installation

- Factory installed code approved waterproofing meets ANSI A118.10 requirements
- Factory installed drain assembly
- Easily modified to size on site
- Code approved in United States and Canada, meets IAPMO-PS-46
- Fin Pan 10-Year Limited Warranty

### Uses

- Interior use only
- Residential, commercial and industrial showers
- Stalled gang showers
- Pet Showers

### Suitable Wall Substrates

- Concrete, concrete & brick masonry, cement plaster, gypsum wallboard, exterior glue plywood, cement backerboard, fiber-cement underlayment, fiber-reinforced water-resistant gypsum backerboard.

**NOTE:** Gypsum wallboard is not an approved substrate for wet areas per TCNA and 2018 IRC/IBC standards.

**\*Reference thinset manufacturer recommendations for the use of a primer or bond promoter for a secure bond.**

### ProPan WPM Shower Kit Models

#### Center Drains

PROWPMKIT500 / 48" x 48" ABS or PVC

PROWPMKIT501 / 36" x 60" ABS or PVC

PROWPMKIT502 / 36" x 48" ABS or PVC

PROWPMKIT503 / 48" x 60" ABS or PVC

-Curb size is located on 2<sup>nd</sup> listed dimension

#### Off Center Drain (Tub Replacement)

PROWPMKIT504 / 38" x 66" ABS or PVC

-Drain location 19" and 13" in from end

### Shelf Life

- ProPan Shower Pan is guaranteed if there is no damage to pan. Store at 32°-110° F (0°-43° C)
- Eco-Flex EF-9500 - 12 months in unopened containers. Store at 40°-95° F (4°-35° C).

## Limitations

- Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile, thin brick and similar finishes. Substrate deflection under all live, dead and impact loads, including concentrated loads must not exceed L/360 for thin bed ceramic tile/brick installations or L/480 for thin bed stone installations where L = span length.
- ProPan Full Foam Curbs are rated to 40 psi.
- A wooden 2 x 4 curb structure is specified when installing hinge less glass doors/European-style glass enclosures.
- Mastics and silicones are never to be used.
- Don't expose to rubber solvents or ketones.
- Don't expose to sun or weather.
- Must be covered with ceramic tile, stone finish.
- Use protection board for cover prior to tiling.

## Cautions

Consult MSDS for safety information.

- If waterproof coating on the ProPan is punctured during installation re-coat the punctured area and 2" (50 mm) around the area with two coats of a liquid waterproofing.

## 4. TECHNICAL DATA

Waterproofing membrane meets ANSI A118.10 and ANSI A118.12.

ProPan Shower Pan assembly meets IAPMO-PS-46.

## 5. INSTALLATION

### Preparatory Work (without wall board installed)

- Ensure that walls are square and plumb.
- Cut and install 2 stacked 2 x 4's between studs on the floor to provide support to backer board.
- Sub floor under pan must be clean and level. Cut out a maximum 5" diameter hole around drainpipe to allow pan to be inserted into floor.
- Cut floor drainpipe 1 3/8" (35 mm) below floor level.
- Test fit pan to make certain it fits over drainpipe and sits flush and level with the floor.
- Remove the pan.
- If the pan needs to be site adjusted to fit the shower use a circular saw or utility knife to cut the pan to the proper shower dimensions.
- Dry fit the pan to make certain it properly fits over the drainpipe and sits flush and level with the floor.
- Using a circular saw with guide or utility knife recut the rabbet joints into the edges of the pan where required. For PRO-500-503 models the rabbet joint should be 1/2" (12 mm) deep and 1/2"

(12 mm) in from the edge of pan. For PRO-504 rabbet joint should be 7/8" (22 mm) deep and 1/2" (12 mm) in from edge of pan.

• **NOTE: If wall board is already installed, either cut rabbet channel out of pan or fill with modified thinset.**

### Shower Pan Installation

- Apply modified thinset mortar to the floor area and underside of pan using a 1/4" x 1/4" (6 mm x 6 mm) notched trowel.
- Apply a liberal coat of PVC or ABS cleaner and solvent cement to the drainpipe and inside the drain where the connection will be made. (If plumber is making the connection this step can be performed after the pan is set into thinset).
- Set pan into the wet thinset and apply pressure to achieve complete coverage, ensuring that the drain pipe and waste line are properly connected. Check pan for level set on floor. Apply weight (thinset bags) equally across pan for 30 minutes.

### Wall Backerboard Installation

**Use only code-approved concrete backerboard or other wall substrate suitable for wet areas.**

- Apply a 1/2" (12 mm) continuous thick bead of polyurethane sealant into the rabbet joint of the ProPan.
- Using 1/2" (12 mm) wall board, set the board into the sealant until you see sealant oozing out along the joint. Spread excess sealant ensuring a continuous seal at the joint. Take care when installing board onto base of ProPan.
- Fasten wall board per manufacturer's installation instructions to framing with screws starting 1' (300 mm) above the shower pan.

### Wall Board Waterproofing Installation

- Apply modified thinset mortar to corner of pan and wall junction. Embed inside corners into mortar using a drywall knife or margin trowel to remove air pockets and ensure proper adhesion to shower pan and wall board.
- Install band tape at all pan floor/wall junctions using modified thinset mortar. **Ensure band tape finished height is above shower pan curb.**
- Using polyurethane, apply a 1/2" bead along band tape seam at pan floor joint and smooth to form a continuous seal.
- **All penetrations (e.g., mixing valve, shower head, etc.) must be sealed with WaterArmor Mixing Valve Seal and Pipe Protrusion Seals.**

- Apply modified thinset to area where the seals are to be installed.
- Apply a bead of polyurethane sealant over the pipe or mixing valve.
- Embed seals into mortar and remove any air pockets to ensure proper adhesion to the material.
- Apply modified thinset to wall substrate. Ensure mortar is loose but still holds ridges from trowel.
- Embed membrane into the mortar using a finishing trowel, drywall taping knife or similar tool to remove air pockets and to ensure proper adhesion.
- Treat any seams by overlapping membrane 2-3" and using modified thinset mortar to bond fabric.

#### **Shower Pan Curb Installation**

- Determine location of ProPan Curb. Affix curb to floor by applying a modified mortar bed to floor and underside of curb. Before setting curb in place, apply a 1/2" (12 mm) bead of sealant to ProPan rabbet channel and to the adjoining wall panels.

#### **Drain Strainer Installation**

- Screw strainer down to correct height to match tile. **Note: If required, cut threads down to adjust strainer to correct height.** Pack thinset or pea gravel into area cut out for strainer adjustment.

#### **Tile Installation Detail**

- Install tile using a modified thinset and in accordance with the Tile Council of North America (TCNA) guidelines.

### **6. AVAILABILITY AND COST**

#### **Availability**

FinPan products are available worldwide.

#### **For Distributor information call:**

Toll Free: 1-800-833-6444

Telephone: 1-513-870-9200

**Cost:** Contact a FinPan Distributor in your area

### **7. WARRANTY**

Contact FinPan

### **8. MAINTENANCE**

ProPan requires no maintenance. Drain grate should be removed periodically to remove any debris from trap.

### **9. TECHNICAL SERVICES**

#### **Technical Assistance**

Information is available by calling FinPan Monday thru Friday from 8:00 AM to 5:00 PM EST.

### **10. FILING SYSTEM**

Information is available at [finpan.com](http://finpan.com).

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