



# ProPan Shower Pan w/Compression Drain

DS-PROPAN-COMPRESSSION DRAIN-031225

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## 1. PRODUCT NAME

ProPan Shower Pan w/Compression Drain

## 2. MANUFACTURER

FinPan, Inc.

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Hamilton, OH 45015

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## 3. PRODUCT DESCRIPTION

ProPan Shower Pan with Compression Drain 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 is 100% waterproof and ready-to-tile.

**Materials:** Circular saw with adjustable guide or utility knife for field modification of ProPan or drain strainer, modified thinset for setting pan and tile, 1/4" x 1/4" (6 mm x 6 mm) square notched trowel for installing pan, polyurethane sealant (or equivalent) and caulk gun to apply sealant in the ProPan rabbet joint and putty knife to ensure continuous seal of polyurethane sealant.

### Advantages

- Pre-sloped ready-to-tile pan eliminates need for traditional mud bed installations
- Lightweight and durable. Easy to carry and install.
- Factory applied, code approved waterproofing meets ANSI A118.10 requirements
- Easily modified to size on site
- Code approved in United States and Canada, meets IAPMO-PS-46
- Fin Pan 10-Year Limited Warranty
- Works in conjunction with FinPan ProTEC & Util-A-Crete Concrete Backer Board and other backer boards.

### Uses

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

### Suitable Substrates

- Concrete
- Exterior glue plywood \*
- Cement Backer Board
- OSB or Advantech

\*Interior Use Only

### ProPan Models

#### Center Drains

PRO-500 / 48" x 48" (122 cm x 122 cm)

PRO-501 / 36" x 60" (91 cm x 152 cm)

PRO-502 / 36" x 48" (91 cm x 122 cm)

PRO-503 / 48" x 60" (122 cm x 152 cm)

#### Off Center Drain (Tub Replacement)

PRO-504 / 38" x 66" (96 cm x 168 cm)

PRO-CUSTOM / PF-008

### Shelf Life

- ProPan Shower Pan is guaranteed if there is no damage to pan. Store at 32°-110° F (0°-43° 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 and L/600 where L = span length.
- ProPan Full Foam Curbs are rated to 40 psi.
- A wooden 2 x 4 curb structure is specified when installing hingeless glass doors/European-style glass enclosures.
- Mastics and silicone are never to be used.
- Don't expose to rubber solvents or ketones.
- Do not expose to sun or weather.
- Must be covered with ceramic tiles, 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

Assembly meets IAPMO-PS-46

#### 5. INSTALLATION

##### Prepatory Work (without wall board)

- 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 even with subfloor.
- 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.

##### Compression Drain Assembly

- Run a 3/8" continuous bead of polyurethane along top side of drain stiffening ring and install drain body firmly into sealant.
- Access pan from bottom and apply rubber gasket, friction washer and lock nut.
- Firmly tighten lock nut to 25 ft/lbs.
- Return to top side and smooth out excess sealant to form a continuous seal around drain body.

##### Installation

**\*Reference thinset manufacturer recommendations for the use of a primer or bond promoter for a secure bond with substrate being set to.**

- Apply a medium bed, modified thinset to the floor area and underside of pan using a 1/4" x 1/4" (6 mm x 6 mm) notched trowel.
- Set pan into the wet thinset and apply pressure to achieve complete coverage, ensuring that the drainpipe and waste line are properly connected. Check pan for level set on floor. Apply weight (thinset bags) equally across pan for 30 minutes.

#### Wall Backer Board Installation

##### Concrete Backer Board or Other Backer Board

- **NOTE: If wall board is already installed, either cut rabbet channel out of pan or fill with modified thinset.**
- Apply a 1/2" (12 mm) continuous thick bead of polyurethane sealant into the rabbet joint of the ProPan or edge of pan if rabbet channel is removed.
- Using 1/2" (12 mm) cement backer 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 Cement Backer Board per manufacturer's installation instructions to framing with cement backer board screws starting 1' (300 mm) above the shower pan. Follow the instructions manufacturer's instructions for treating seams.
- All screw heads should be covered with thinset.

##### After Wall Backer Board is Installed

- Determine location of ProPan Curb. Affix curb to floor by applying a 1/4" (6 mm) 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.
- Next, 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.

##### After ProPan Installation is Complete Backer Board

- Apply another 1/2" (12 mm) bead of sealant on all ProPan perimeter joints and curb to fill any voids in sealant.

##### Concrete Backer Board or Other Backer Board

- Apply 6" (152 mm) fiberglass mesh at shower pan base, 3" (76 mm) on pan base and 3" (76 mm) up wall. Apply two coats of liquid waterproofing over fiberglass mesh and up the walls a minimum of 1' (300 mm). Allow 1<sup>st</sup> coat of waterproofing to cure completely before applying the 2<sup>nd</sup> coat.

#### Water Test

- Before tile installation, perform a 24-hour water test to ensure waterproof integrity of pan installation.

### **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 through Friday from 8:00 AM to 5:00 PM EST.

### **Technical and Safety Literature**

Please visit our website at [www.finpan.com](http://www.finpan.com).

## **10. FILING SYSTEM**

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