

# ProBase® II Multi-Slope Shower Base and Kit

## Installation Instructions

www.noblecompany.com

Patents Pending



### CONTENTS

1. General Information .....	1	11. Install Thin-Line Outside Corners ..	5
2. Materials .....	1	12. Protection of Sheet .....	5
3. Planning .....	1	13. Install ValueSeal on Walls .....	5
4. Preparation .....	2	14. Install Pipe Collar .....	6
5. Layout .....	3	15. Install Mixing Valve Collar.....	6
6. Install Base .....	3	16. Flood Testing .....	6
7. Install Curbs .....	4	17. Attach Strainer .....	6
8. Install ValueSeal® on Base .....	4	18. Tile and Grout.....	6
9. Secure ValueSeal to Drain.....	4	19. Limitations.....	8
10. Install Thin-Line™ Inside Corners.	5		

### 1. GENERAL INFORMATION

ProBase II Multi-Slope is a composite shower base made from expanded polystyrene and honeycomb construction with fiber laminated to the top. ProBase II is sloped 1/4" per foot to the drain.

**1.1 RECOMMENDED TOOLS:** Tape measure, utility knife, caulking gun, straight edge, small floor roller, margin trowel, 1/8" x 1/8" or 1/4" x 1/4" v-notched trowel and 1/4" x 3/8" x 1/4" square-notched trowel, appropriate plastic pipe primer, and cement

### 2. MATERIALS

	32" x 60" End Drain	32" x 60" Center Drain	48" x 48" Center Drain	72" x 72" Center Drain
<b>Single-Slope Base</b>	2-piece construction	2-piece construction	4-piece construction	4-piece construction
<b>ValueSeal Waterproofing</b>	1 Roll (3' x 44')	1 Roll (3' x 44')	1 Roll (3' x 50')	2 Rolls (1-3' x 33' 1-3' x 44')
<b>Solid Curb</b>	Solid Curbs (2-30")	Solid Curbs (2-30")	Solid Curb (1-48")	Solid Curbs (2-36")
<b>Thin-Line Inside Corners</b>	4	4	4	4
<b>Thin-Line Outside Corners</b>	4	4	4	4
<b>Thin-Line Pipe Collar</b>	1	1	1	1
<b>Thin-Line Mixing Valve Collar</b>	1	1	1	1
<b>NobleSealant</b>	1 tube	1 tube	1 tube	1 tube
<b>FreeStyle Thin-Bed Drain*</b>	1 PVC or ABS drain w/ strainer	1 PVC or ABS drain w/ strainer	1 PVC or ABS drain w/ strainer	1 PVC or ABS drain w/ strainer

\*Sold Separately

### 3. PLANNING

#### 3.1 BASE, CURBS, AND SHEET BOND COAT

**3.1.a MODIFIED THIN-SET (Preferred):** See manufacturer's coverage rate.

**3.1.a.1 Hot and Cold Weather Procedure:** Consult bond coat manufacturer for safe high and low-temperature limits and cure times. Noble Company sheet membranes remain flexible to -25°F.

**3.2 NOBLESEALANT (Waterproofing Only):** A 10.3 oz tube of NobleSealant seams approximately 40 linear feet.



VIEW MORE PRODUCT  
DETAILS, VIDEOS,  
AND DIAGRAMS ONLINE



**GENERAL NOTES REGARDING THE USE OF MODIFIED THIN-SET:**

- a. Use modified thin-set cement mortar in compliance with ANSI A118.4.
- b. Mix thin-set per manufacturer's instructions.
- c. Spread thin-set with appropriate trowel to achieve complete coverage.
- d. Trowel an area as wide and as deep as can be comfortably reached. To avoid trapping air, trowel thin-set in parallel rows across the width or length.
- e. Variation in trowel size, angle at which trowel is held, mixing ratio, or any combination thereof may be necessary to achieve full coverage.
- f. All ridges of bond coat must be parallel to allow the air to escape when embedding.
- g. Embed into bonding agent before it begins to form "skin".
- h. Embed into bond coat by working from center, outwards.
- i. Embed using foot pressure (base only), rubber hand roller, flat side of trowel, or float (for small areas).  
**CAUTION:** Be careful not to puncture membrane with corner of trowel.
- j. Allow adequate time for curing: typically 24 hours.

**4. PREPARATION**

Read these instructions completely prior to installation. Test materials and method under job-site conditions to confirm suitability.

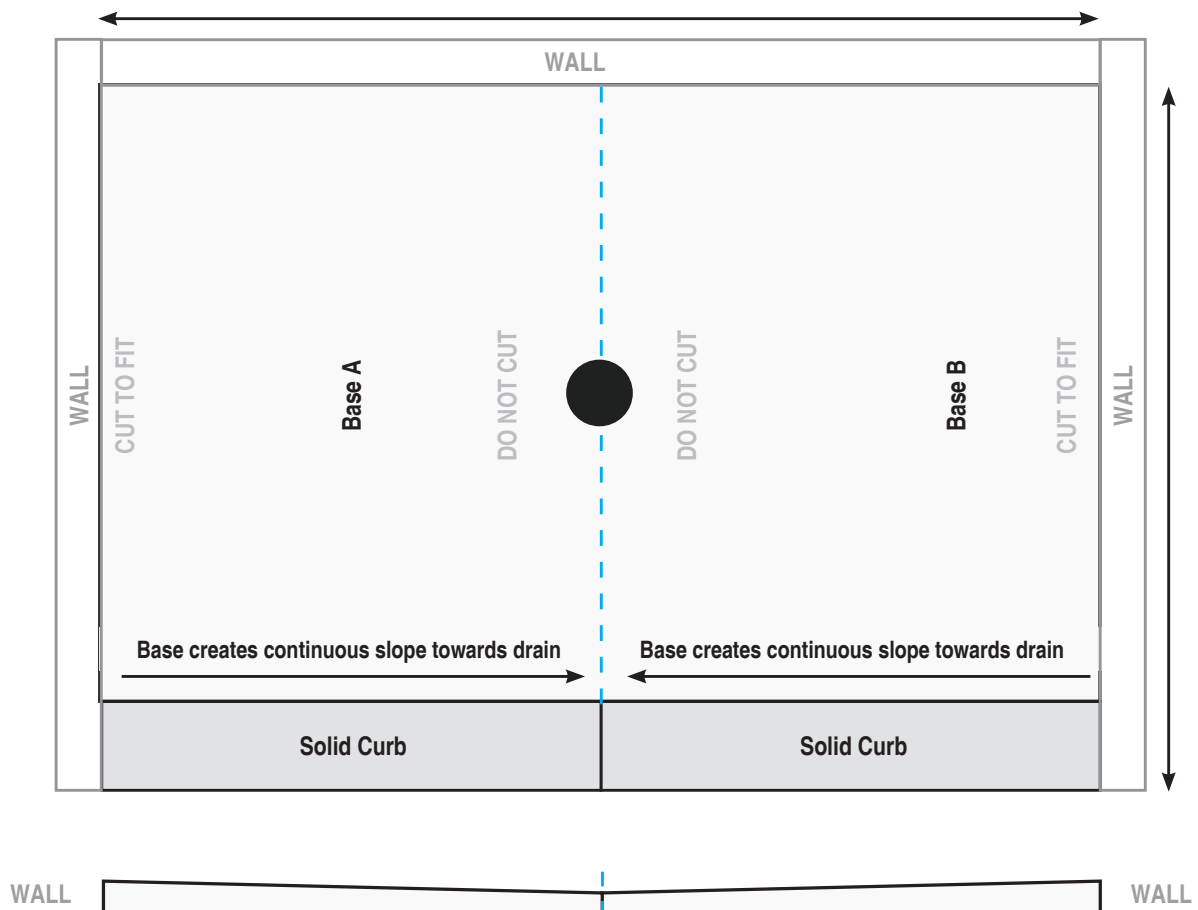
**4.1 INSPECTION:** Substrate must meet requirements set forth by the TCNA and ANSI A108 and A118 standards. Report in writing any deficiencies that might affect performance of the system.

**4.2 SUBSTRATES:** Substrate condition for base is the same as tile (see TCNA guidelines). Slabs on, above, or below grade should be tested for moisture content and pH. Slabs must be flat and level. Floor preparation (i.e., leveling, patching) should be done prior to installation of base. Wall board should be installed prior to the shower kit.

**4.3 INSTALLER:** Installer should be familiar with Noble Company's current written instructions, TCNA Handbook recommendations, and ANSI A108 and A118 standards. Contractor should have knowledge of Noble Company products and installation procedures.

**FIGURE 1: TYPICAL LAYOUT**

(For larger installations using 72" x 72" base, this typical layout will include 4 base pieces)



## 5. LAYOUT:

**5.1 CURBS:** Measure the entire shower area and determine the location of the curbs. Set one curb in desired location and measure from the end to the wall for the second curb. Mark and cut second curb to measurements and dry fit. Mark the location of the curbs on the sub-floor. Set aside.



## 5.2 FREESTYLE THIN-BED DRAIN:

**NOTE:** Confirm proper plastic pipe primer and cement for drain base type (PVC or ABS). Check drain label to confirm.

**5.2.a WASTE PIPE NOT INSTALLED:** Place drain base in desired location on sub-floor. Mark the waste pipe location on the sub-floor. Cut the opening in the sub-floor.

**5.2.a.1: INSTALL WASTE PIPE:** Follow local plumbing codes to properly install and secure 2" ID waste pipe.

**NOTE:** Waste pipe may be installed after fastening the drain base to the sub-floor if it is accessible from below.

**5.2.b WASTE PIPE INSTALLED:** Apply appropriate plastic pipe primer and cement to drain body and waste pipe following local plumbing codes and manufacturer's instructions. Fit and fully seat the drain base onto the waste pipe.



## 6. INSTALLING PROBASE II MULTI-SLOPE:

**6.1 MEASURE AND CUT BASE:** Refer to Figure 1. Measure shower from the center of the drain to each wall. Mark measurements onto each base piece. Follow this procedure for each wall to drain measurement



**6.2 INSTALL BASE:** Apply modified thin-set using a 1/4" x 3/8" x 1/4" square-notched trowel over the substrate and upturns. Key-in modified thin-set to the bottom and ends of the bases. Embed bases into the thin-set with slope towards drain using firm foot pressure to ensure 100% coverage and no voids.

**NOTE:** Check that base is flush with drain.



## 7. INSTALL CURBS:

- 7.1 APPLY BONDING AGENT:** Apply modified thin-set using 1/4" x 3/8" x 1/4" square-notched trowel over the substrate. Apply modified thin-set to the bottom and ends of the Noble Solid Curb(s).
- 7.2 EMBED CURBS:** Embed the Solid Curb(s) into the thin-set using firm pressure to ensure there is 100% coverage and no voids. Lay flat edge on Curb(s) to ensure they are aligned. Check Curb(s) to ensure they are flat and level.



## 8. INSTALL VALUESEAL ON BASE AND CURB:

- 8.1 MEASURE AND CUT:** Measure the shower floor and distance over curb, adding 2" for overlap. Cut ValueSeal to measurements. Fold and crease the sheet, then dry fit to the shower floor. Remove sheet.
- NOTE:** 72" Base Kit includes one 6' wide sheet for the shower pan. Trim and use excess for walls.
- 8.2 APPLY BONDING AGENT:** Spread modified thin-set with the appropriate trowel to achieve coverage (e.g., 1/8" - 1/4" v-notch) onto base and upturns. **NOTE:** It may be helpful to wait to apply bonding agent to Curb and overlap onto floor until it has been embedded onto the base.
- 8.3 APPLY NOBLESEALANT:** Apply 1/4" continuous bead of NobleSealant under the ValueSeal and next to the chamfer on the drain base.
- 8.4 EMBED SHEET:** Use rubber hand roller or flat side of a trowel to embed ValueSeal into bond coat (flatten all ridges). **CAUTION:** Be careful not to puncture membrane with corner of trowel.



## 9. SECURE VALUESEAL TO DRAIN:

- 9.1 INSTALL CLAMPING COLLAR:** Align the clamping collar with the drain base under the membrane and press firmly to embed. Starting at one end, insert screw through collar, piercing membrane, and into drain base. Install two screws on each end using a screw driver or low-torque cordless drill. **Do not over tighten.**
- 9.2 CUT AWAY VALUESEAL:** Cut away membrane from inside of the clamping collar. Protect the waste pipe from debris. **NOTE:** Some NobleSealant may squeeze out. Allow to dry and carefully peel away with a knife.



**10. INSTALL THIN-LINE INSIDE CORNERS (4):**

**10.1 MARK AREA:** Mark the area where the Thin-Line Inside Corners will be applied.

**10.2 APPLY BONDING AGENT:** Spread modified thin-set to the marked area.

**10.3 EMBED THIN-LINE INSIDE CORNER:** Embed inside corners into thin-set using a margin trowel to ensure a quality seal.



**11. INSTALL THIN-LINE OUTSIDE CORNERS (4):**

**11.1 MARK AREA:** Mark the area where the Thin-Line Outside Corners will be applied.

**11.2 APPLY BONDING AGENT:** Spread modified thin-set to the marked area.

**11.3 EMBED THIN-LINE OUTSIDE CORNER:** Embed outside corners into thin-set using a margin trowel to ensure a quality seal.



**12. PROTECTION OF SHEET:** After installation, sheet must be kept clean to enable tile adhesive to bond. If not covered by wearing surface, protect the installed sheet from damage and all foot traffic (use mortar skim coat, rugs, plywood, etc.).

**13. INSTALL VALUESEAL ON WALLS:**

**13.1 MEASURE AND CUT:** Measure the shower wall, adding 2" for each seam. Cut ValueSeal to measurements. Dry fit, then fold and crease the sheet.

**13.2 APPLY BONDING AGENT:** Spread modified thin-set with the appropriate trowel to achieve coverage (e.g., 1/8" - 1/4" v-notch) onto walls and seams.

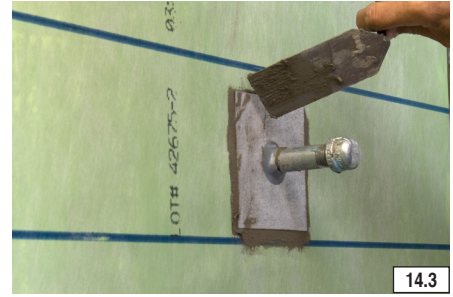
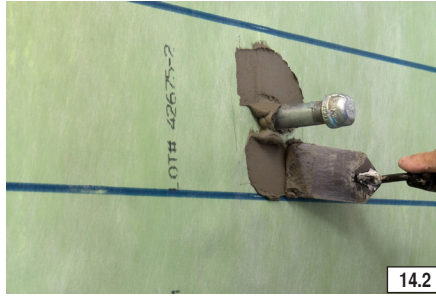
**13.3 EMBED SHEET:** Use rubber hand roller or flat side of a trowel to embed ValueSeal into bond coat (flatten all ridges).

**CAUTION:** Be careful not to puncture membrane with corner of trowel.



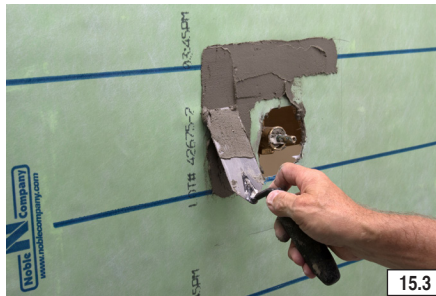
**14. INSTALL THIN-LINE PIPE COLLAR:**

- 14.1 **MARK AREA:** Mark the area where the Thin-Line Pipe Collar will be applied.
- 14.2 **APPLY BONDING AGENT:** Spread modified thin-set to the marked area.
- 14.3 **EMBED THIN-LINE PIPE COLLAR:** Embed collar into thin-set using a margin trowel to ensure a quality seal.



**15. INSTALL THIN-LINE MIXING VALVE COLLAR:**

- 15.1 **DRY FIT:** Dry fit collar over mixing valve, trim ID as needed.
- 15.2 **MARK AREA:** Mark the area where the Thin-Line Mixing Valve Collar will be applied.
- 15.3 **APPLY BONDING AGENT:** Spread modified thin-set to the marked area.
- 15.4 **EMBED THIN-LINE MIXING VALVE COLLAR:** Embed collar into thin-set using a margin trowel to ensure a quality seal.



16. **FLOOD TESTING:** Allow sufficient time for curing, typically 24 hours. Flood test in accordance with local plumbing code requirements.

17. **ATTACH STRAINER:** Clear drain outlet (if blocked off), replace, and adjust strainer assembly to desired height. Do not cross-thread.

18. **TILE AND GROUT:** Protect the strainer with tape. Allow for a 1/16" clearance between the strainer and the tile. Tile and grout all surfaces in accordance with TCNA Handbook recommendations, ANSI A108 standards, and bond coat manufacturer's directions. Complete coverage of ValueSeal by the bond coat is required. Allow additional cure time (approximately 50%) when installed over ValueSeal.

19. **LIMITATIONS:** This product is not designed for use as a wearing surface. ProBase II Multi-Slope Base Kit is not recommended for exterior applications. For applications or procedures not specifically detailed in these installation instructions, contact Noble Company. Wood subfloors must be clean, dry, and free of sealers, primers, and other substances that could affect bonding of the sheet to the base. ProBase II Multi-Slope Base Kit will not correct structural deficiencies. Deflection of the sub-floor must not exceed industry standards. Installation must follow TCNA recommendations and appropriate industry standards.

**For any applications or procedures not covered in these instructions, contact Noble Company.**

