

Solutions Linear Drain

Direct Bond Installation Instructions

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1. GENERAL INFORMATION

Solutions is a high-quality American made linear drain system made from one-piece injection molded ABS construction. The drain base is internally pitched to the waste outlet to facilitate efficient drainage.

a) Install in strict compliance with these written instructions, and comply with applicable ANSI standards, Tile Council of North America (TCNA) recommendations, and plumbing/building codes. For additional installation details, please visit our website at www.noblecompany.com, download our free Mobile App (available on Apple and Android operating systems), or call us at (800) 878-5788.

b) For procedures not covered by these instructions, contact Noble Company.

2. MATERIALS

2.1 DRAIN: Internally sloped linear drain made fron one-piece injection molded ABS.

2.2 SEALANT: Use NobleSealant 250 between Noble Bonded Sheet Membrane and Solutions drain flange.

2.3 BONDED WATERPROOF MEMBRANE: Fleeced sheet membrane acting as the waterproof barrier. ANSI A118.10. ICC listed. (i.e. NobleSeal® TS or ValueSeal® - *sold separately*).

2.4 HAIR TRAP AND STRAINER LEVELERS: (1) Hair Trap, (4) 2-3 mm Strainer Levelers, (4) 4-6 mm Strainer Levelers.

2.5 CLAMPING RING HUB TRANSITION: Transition ring with smooth inside hub to allow for drain hub to engage.

2.6 TOOLS: Tape measure, caulk gun, utility knife.



3. PLANNING

Select Direct Bond installation instructions.

3.1 DRAIN PLACEMENT: Drain waste outlet center needs to be at least 2¹/4" from any wall or stud. 2" I.D schedule 40 pipe type PVC or ABS should be used for waste piping.

3.1.a. If the drain outlet is placed within 21/4" inches from stud, sill plate may need to be notched out to accommodate the drain body flange and/or clamping ring.

3.2 Drain base and waste piping should be installed prior to the shower pan liner.

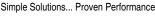
3.3 WALL BOARD: Consult manufacturer's installation materials for suitibility for use as a substrate for tile in a wet area. Wall board should be installed directly over drain flange when drain is installed tight to studs or sill plate.

3.4 NOBLESEALANT 250: A 5 oz tube of NobleSealant 250 covers approximately 20 linear feet with a 3/16" bead. 10.3 oz tube also available.

4. PREPARATION

4.1 INSPECTION: Examine substrates for unacceptable conditions affecting tile installation. Substrate must be flat, smooth, solid, free from bond breakers, cracks, and properly sloped to drain for wet-area applications.













5. INSTALLATION: DIRECT BOND METHOD

5.1 Select appropriate wall and floor substrate suitable for wet areas. All surfaces must be dry (cured), clean, and free of bond-breaking contaminants. Consult backer board manufacturer for specific installation recommendations.

5.2 Waterproofing membrane to be installed on top of sloped substrate and adhered directly to the 1" flange of the Solutions drain base (i.e. NobleSeal TS or ValueSeal) with NobleSealant 250.

5.3 The outlet to the Solutions drain body can be solvent welded to the drain pipe using a 2" PVC or ABS coupling according to plumbing industry standards. If re-using existing drain, Solutions drain body can be installed directly in to drain base using the Clamping Ring Hub Transition to replace on-site clamping ring.

5.4 Ensure Solutions drain body is installed level.

5.5 Install sloped substrate ensuring Solutions drain is properly supported and free from voids or air gaps. Slope should be flush to drain flange.

5.6 Install ANSI A118.10 bonded sheet mebrane per manufacturer's installation instructions (i.e. NobleSeal TS or ValueSeal).

5.7 Apply a solid continuous bead of NobleSealant 250 to the entire Solutions drain flange. Embed the sheet membrane into the sealant with flat edge of a trowel. Ensure sheet membrane is even without ripples or folds.

5.8 Once sealant has cured and entire wet area has been waterproofed, flood test wet area to ensure water-tightness in accordance with local codes and standards. Ensure solvent welded joints, when used, have dried completely (typically 24 hours) prior to flood test.

5.9 Upon successful flood test, tile can be installed on dry surface of sheet membrane.



6. TILE INSTALLATION

6.1 Set tile in accordance with TCNA Handbook recommendations, ANSI A108 standards, and bond coat manufacturer's directions. Complete coverage of membrane by the bond coat is required.

7. STRAINER

7.1 Set tile ¹/₁₆" from strainer to ensure proper drainage and allow for smooth removal for cleaning.

7.2 Install Hair Trap. If needed, install Strainer Levelers to adjust strainer height to tile. Strainer should be flush or sit just below installed tile. Strainer Levelers available in 2, 3, 4 or 6 mm heights.

NOTE: Tile-In Strainer does not require Strainer Levelers.



8. WARRANTY

8.1 For warranty information, contact your Sales Representative or visit www.noblecompany.com.



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