

# NobleFlex®

U.S. Patent No. 7,632,401



## 1. MATERIALS

- NobleFlex Drain Flashing
- NobleSealant 150
- Positive Weep Protector™
- Waterproofing Membrane (i.e. NobleSeal® TS, ValueSeal®, etc.)
- NobleFlex should be bonded to substrate with NobleBond EXT or modified thin-set mortar. Thin-set must conform to ANSI A118.4 or the appropriate standards, and TCNA Handbook recommendations. Follow manufacturer's instructions.

Optional: NobleFlex Drain Flashing Tool

## 2. PREPARATORY WORK

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

## 3. INSTALLATION

### If NobleFlex Drain Flashing Tool is used:

- Remove strainer, clamping ring, and retaining bolts.
- Center tool on drain body.
- Hold tool down firmly and pack mortar bed around tool.
- Install sloped bed from the tool to the perimeter of shower.
- Remove tool.
- Follow instructions 4b-17b for NobleFlex Drain Flashing

### If NobleFlex Drain Flashing Tool is not used:

- Install sloped mortar bed to perimeter of the shower making sure to shape mortar bed to support NobleFlex Drain Flashing.
- Follow instructions 4b-17b for NobleFlex Drain Flashing.

### If NobleFlex SD is used:

- Follow instructions 4a-16a for NobleFlex SD (Solid Divot).

## NOBLEFLEX SD (SOLID DIVOT)

### FOLLOW STEPS 1-3 BEFORE BEGINNING

- 4a. Remove this instruction label.
- 5a. Remove strainer and clamping ring from drain.
- 6a. Apply a continuous bead (no skips) of NobleSealant 150 on the drain body under NobleFlex SD outside of bolt holes.
- 7a. Bond NobleFlex SD to substrate with modified thin-set or NobleBond EXT. Do not apply bond coat to drain body.
- 8a. Embed into bond coat using firm pressure.
- 9a. Carefully cut out clamping ring bolts. Press the Solid Divot firmly onto the clamping ring body. Carefully cut out inside drain opening.
- 10a. Reset clamping ring and firmly tighten bolts. Follow manufacturer's instructions.
- 11a. Replace strainer and adjust to proper height for tile.
- 12a. Use Positive Weep Protector to protect weep holes from clogging. For depths less than 1-1/4" use pea gravel or other weep protection.
- 13a. **INSTALLATION OF WATERPROOF MEMBRANE**  
Install waterproof membrane according to manufacturer's instructions.
- 14a. **SEAMING WATERPROOF MEMBRANE TO DRAIN FLASHING:** Refer to "Seaming & Joining" section of the installation instructions provided with Noble sheet membrane.
- 15a. **FLOOD TEST**  
Test for leaks per local code requirements.
- 16a. **COMPLETING THE SLOPE**  
Fill depression in Drain Flashing with mortar to required plane.  
**Follow appropriate industry standards.**

## NOBLEFLEX DRAIN FLASHING

### FOLLOW STEPS 1-3 BEFORE BEGINNING

- 4b. Remove this instruction label.
- 5b. Remove strainer and clamping ring from drain.
- 6b. Insure that Drain Flashing is supported on underside by properly tapered mortar bed. Add or remove mortar as necessary.
- 7b. Apply a continuous bead (no skips) of NobleSealant 150 on the drain body outside of bolt holes.
- 8b. Bond Drain Flashing to substrate with modified thin-set or NobleBond EXT. Do not apply bond coat to drain body.
- 9b. Embed into bond coat using flat side of trowel.
- 10b. Carefully cut out clamping ring bolts. Press the flashing firmly onto the clamping ring body. Carefully cut out inside drain opening.
- 11b. Reset clamping ring and firmly tighten bolts. Follow manufacturer's instructions.
- 12b. Replace strainer and adjust to proper height for tile.
- 13b. Use Positive Weep Protector to protect weep holes from clogging. For depths less than 1-1/4" use pea gravel or other weep protection.
- 14b. **INSTALLATION OF WATERPROOF MEMBRANE**  
Install waterproof membrane according to manufacturer's instructions.
- 15b. **SEAMING WATERPROOF MEMBRANE TO DRAIN FLASHING:**  
Refer to "Seaming & Joining" section of the installation instructions provided with Noble sheet membrane.
- 16b. **FLOOD TEST**  
Test for leaks per local code requirements.
- 17b. **COMPLETING THE SLOPE**  
Fill depression in Drain Flashing with mortar to required plane.  
**Follow appropriate industry standards.**



3/4" Deep Drain Flashing



1-1/8" Deep Drain Flashing



1-1/2" Deep Drain Flashing



1-3/4" Deep Drain Flashing



2" Deep



1-1/8" Deep NobleFlex SD

**WARNING:** Cancer and Reproductive Harm [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

7300 Enterprise Drive · Spring Lake, MI 49456 · 800-878-5788 · Fax: 231-799-8850  
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