



**CLAMP-TITE SPUN COPPER INSERT DRAIN TPO  
CLAMP-TITE SPUN ALUMINUM INSERT DRAIN TPO  
INSTALLATION INSTRUCTIONS**

1. Install the roof insulation and roof membrane. Cut an appropriate sized hole over the drainpipe through both materials.
2. If replacing an existing drain, remove debris or material that may prevent the drain flange from laying flush on roof deck.
3. Clean existing drainpipe below the deck.
4. Remove strainer, top clamping ring and 4 bolts from the drain.
5. If the receiving pipe below the deck has an elbow, shorten the drain stem as necessary. Leave at least 4" of stem below the drain bowl. When cutting the drain stem, cut squarely and with a clean edge.
6. Insert Menzies Blue Drain Seal™ into the bottom of the drain stem and tighten screws equally with the Menzies Blue Drain Seal™ screwdriver. Tighten just enough to hold the seal in place during installation, until the seal is snug.
7. Check to see that screws are tightened equally. Visual instructions available at <http://www.menzies-metal.com/blue-seal-installation.html> or scan the QR Code.



8. If using a standard O-ring as a seal, place the O-ring 3" up from bottom of drain stem.
9. Place the drain stem slowly into the receiving pipe and SLOWLY lower the drain to the deck. The flange must lay flush against the deck.
10. Use a membrane compatible adhesive (for single ply) to adhere the underside of drain flange to the roof deck. For insulated roof use an under deck clamp (not included). The drain may also be secured to the roof deck by using a minimum of 3 round head fasteners screwed into a solid substrate, evenly spaced 1" from edge of flange is optimal.

**Before installing TPO, refer to the TPO membrane manufacturer's instructions.**

**Menzies Metal Products**

**More Than Just Metal**

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11. The drain flange and the TPO surface must be clean before heat welding.
12. Make certain that the TPO membrane reaches the edge of drain bowl but does not go into the drain bowl.
13. Heat weld the TPO membrane to TPO Direct Weld™ coated flange. Heat weld according to membrane manufacturer's instructions.
14. Line up the top clamping ring with the holes on bottom ring and sandwich the membrane between the top ring and drain flange.
15. Insert the 4 stainless steel bolts into the top ring and thread them into the bottom ring until snug plus one half turn.
16. Tighten the Blue Drain Seal™ using a Menzies Blue Drain Seal™ screwdriver. Tighten each bolt approximately 2 complete turns until you compress the Blue Drain Seal™ and feel tightening resistance. DO NOT OVER-TIGHTEN.
17. Place strainer into groove on top ring and secure with stainless steel bolt provided.
18. Adhere to installation requirements as determined by the regulatory authorities for your region.