

Gore-Tex Surfboard Vent

Retro-Fit Type

Installation Instructions

Install the Insert

See diagrams on page 3.

1. For hollow-core wood, prime all raw wood bonding surfaces with epoxy and allow to dry, then go to step 4 for installation. For EPS-core, proceed to step 2.
2. The position of the vent is on the deck, directly on the stringer (or centre line) about 3/4 the length of the board from the tail. Do not locate mid-board or in the tail area.
3. Lightly centre-punch the hole location. Drill using a 1" diameter Forstner bit (preferred), a hole saw with a very short pilot bit (like for FCS plugs), or a 1" plunge router. The depth of the hole is 3/4".
4. Sand the glass under the insert flange area and wipe the bonding surfaces with acetone and allow to dry. Blow or vacuum out the hole thoroughly before setting the insert.
5. The specified hole diameter allows very little clearance between the insert and the foam, so no filler is needed with the epoxy. Use 5 minute epoxy to minimize exothermal heating as the epoxy cures.
6. Apply the mixed epoxy halfway up sides of the insert and the underside of the flange. Install in the hole. Wipe any excess epoxy that oozes up around the top of the insert, creating a fillet around the flange. Put some wax paper and a weight on top of the insert to hold it down until the epoxy cures.

Install the Vent Element

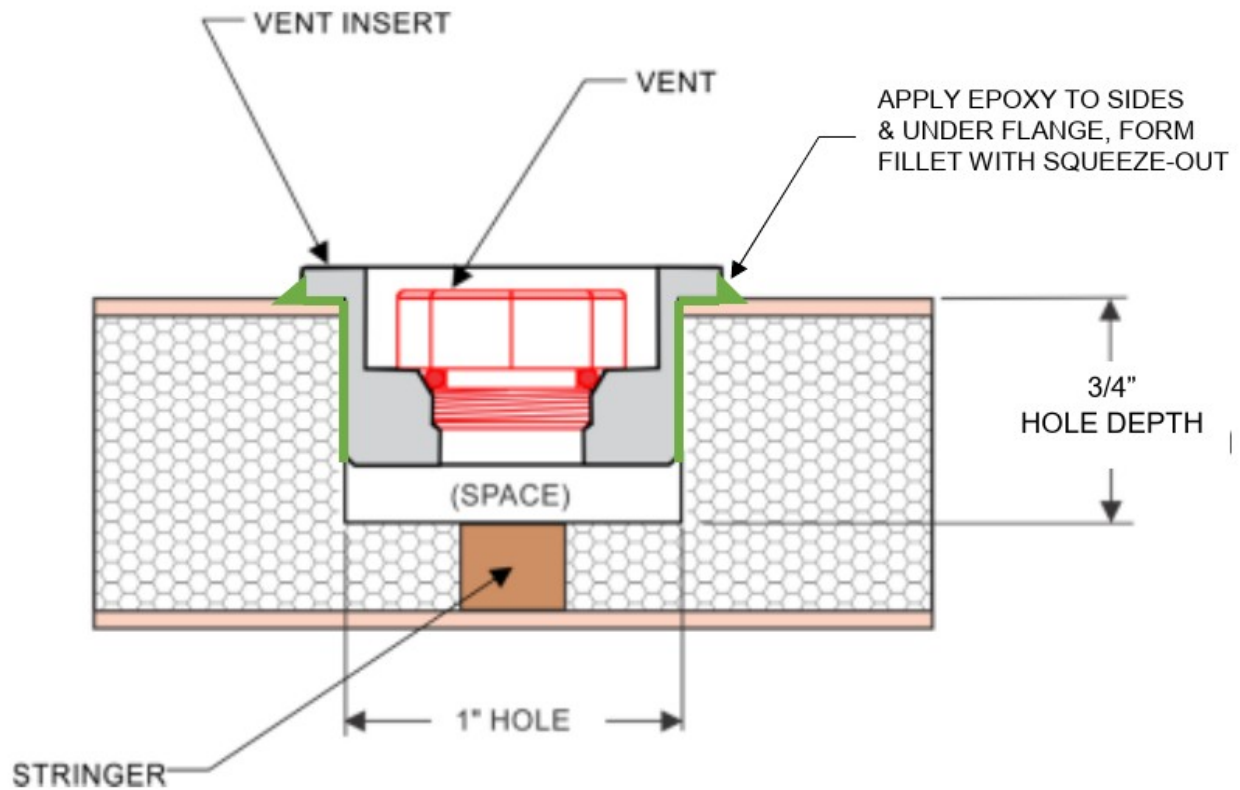
1. Put vent element in recess, level with top.
2. Partially thread in using fingers, ensure that it is threading in straight.
3. Use a 16mm, long thin-wall socket (not spark plug wrench).
4. Ensure that socket is seated on bottom of insert.
5. Tighten by hand to 1/2 ft-lb torque (slightly more than hand-tight).
DO NOT OVERTIGHTEN



Maintenance

- Do not wax over the vent. Keep wax, sand, debris away from the recessed area.
- The vent will last the life of the board. Unless damaged, there is no reason to remove it.
- Rinse the vent after use with fresh water using low pressure to remove any salt crystals, sand etc. from the recessed area.
- Venting the board will greatly reduce problems with EPS/hollow-core heat expansion, but it is not an immunization. Keep the board out of direct sun exposure, and use a reflective bag. Do not keep the board in a closed vehicle during high temperatures.

Installation: Retro-Fit Insert in EPS Foam



Installation: Retro-Fit Insert in Hollow Wood

