wedi Vapor 85 for Steam Rooms and Steam Showers

wedi Vapor 85 is a special variant of the wedi Building Panel and is designed for installation in steam showers and steam rooms. It will serve as a strong vapor retarder, by far exceeding the minimum requirements set by the Tile Council of North America (TCNA) for vapor retarders used in continuous use steam rooms. Additionally, it offers all the benefits of the traditional, time tested wedi Building Panel. It is light, yet strong. It adds insulation, and provides great bond for tile and other suitable surface finishes.

It is a component of a fully functioning system which was developed to also vapor-proof seams, and fastener penetrations. The wedi Vapor 85 makes best use of wedi system technology taken from the wedi Building Panel, wedi Subliner Dry, wedi Subliner Dry Sealing Tape, and wedi joint sealants. Additionally, it works great with wedi Fundo or Subliner Dry on steam room floors.

wedi Subliner Dry
Waterproof Sealing Tape &
wedi Vapor 85 Patch

wedi Sealant 620

wedi Tabless Washer
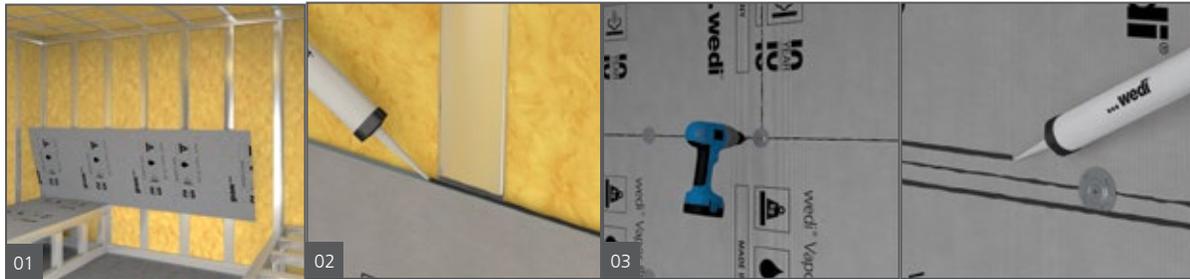and Fastener Kit

wedi Vapor 85
Building Panel

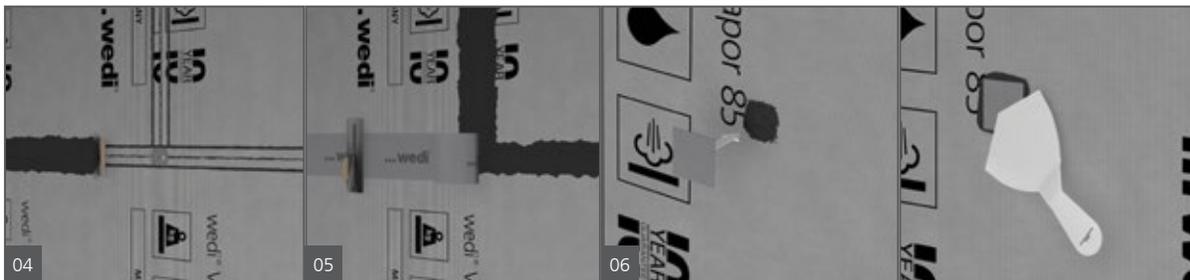Below you'll find a list of items to create your own wedi Steam Room!

- wedi Fundo Ligno Shower Base
- wedi Vapor 85 Building Panel
- wedi Sealant 620
- wedi Tabless Washer and Fastener Kit

- wedi Vapor 85 Fastener Patch Kit
- wedi Putty Knife
- Subliner Dry Sealing Tape, Inside Corner

- Subliner Dry Sealing Tape, Outside Corner
- wedi Subliner Dry Waterproof Sealing Tape

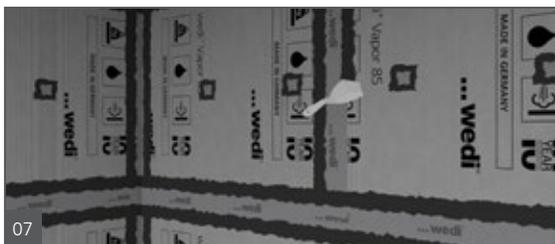# wedi Vapor 85 Building Panel for Steam Room Applications Installation Guide

Steam Rooms typically have added challenges and need additional water and vapor-proofing. You can use our wedi Vapor 85 Building Panels which have a slightly different installation technique. Here are all the installation steps in detail.

1. Ensure all framing and structures meet applicable wedi general requirements, building code and industry standards. Attach Vapor 85 panels to wall horizontally, and start the fasteners 1 ft. (304.8 mm) above shower floor. Use wedi's flat washers (ones without tabs) and screws. On solid or wedi built bench constructions (1 1/2 in. [38.1 mm] to 2 in. [50.8 mm] wedi Panels) install wedi Vapor 85 panels in well distributed 1/2 in. (12.7 mm) beads of wedi Sealant 620 spread with a space of 6 in. (152.4 mm) between beads. If the construction is not entirely smooth, use a full thinset mortar bed to attach using a 1/4 in. × 1/4 in. (6.4 × 6.4 mm) trowel.
2. All panels are butted tightly with wedi Sealant 620 continuously applied between all contact seams. Excess sealant is spread flat with a putty knife.
3. Use only wedi's flat washers so the membrane is not twisted upon tightening the washer. On ceilings, set wedi fasteners at a rate of 1 per every 6 in. (152.4 mm) of framing. In addition, apply a continuous 1/2 in. (12.7 mm) bead of wedi Sealant 620 on every stud before attaching the panel.

4. Apply several beads of wedi Sealant 620 as a setting and sealing bed for wedi sealing tape. Spread the sealant with a fine tooth adhesive trowel or flat putty knife to achieve a full coverage sealant bed for the sealing tape. The minimum thickness of the sealant bed should be 1/16 in. (1.5 mm).
5. The tape is centered over the seams and pressed flat into the sealant. Make sure to use a flat putty knife or paint roller to work the sealing tape flat over the seam and remove all air bubbles or any other unevenness. Excess sealant is spread flat. Sealing tape inside and outside corners, as well as collars for valves or other protrusions, are available. Cover all fastener and washer points with wedi Sealant 620 covering an area of 3 in. × 3 in. (76.2 × 76.2 mm) with the washers screw at its center.
6. Embed a sealing tape patch with a size of 3 in. × 3 in. (76.2 × 76.2 mm) into the bed of wedi Sealant 620 and press flat using a putty knife.

7. Use wedi Sealant 620 and wedi Subliner sealing tape and sealing collars to seal around protrusions and penetrations of the Vapor 85 in the same method as using the same method as for applying tape and fastener point covers. If you can't clearly see Sealant 620 past the perimeter of 5 in. tape once it is embedded in all areas of the application, a bead of Sealant 620 will be needed on the 5 in. tape seam, flattened to a minimum of 1 in. past each side of the tape seam. When using Vapor 85 systems plan for needing two 20 oz. wedi 620 unit to install one wedi 3 x 8 x 1/2 in. Vapor 85 Building Panel, including seam tape and fastener patch installation.

8. Allow the wedi Sealant 620 to cure for at least 24 hours prior to setting tile and 96 hours after its application before exposing the tiled installation to water and water vapor. On floor areas, consider wedi Fundo Shower Systems or Subliner Dry sheet waterproofing membrane when working over mortar or screed surfaces (install in accordance to Subliner Dry installation manual using wedi Sealant 620 in overlapping sheet – or Subliner Dry tape covered seam connections).