



ThermalStar® Sheathing Products Tape Compatibility

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ThermalStar faced sheathing products (ThermalStar One, LCI) do not require taping of seams, as the product is water resistant and insulates effectively regardless of taping. The product meets the definition of continuous insulation as defined in ASHREA 90.1-2016. However, taping of seams, penetrations, and repairing damaged facer is required when relying on the system to act as a water resistive barrier (wrp).

The following is a partial list of compatible tapes for use on ThermalStar One and LCI products with good adhesion and long term performance:

- The original approved tape is ThermalStar 007 or IPG sheathing tape, nominal 2.5" wide. This is a polypropylene tape with a solvent acrylic adhesive; it works from 14°F to 122°F and bonds very well with the facer of LCI products.
- Next generation flexible faced, nail sealing tapes with solvent acrylic adhesive that can be installed as low as -10°F, such as 3M 8067 or 3M 8777
- Butyl, self-adhering flashing tape (such as Protecto Wrap BT20XL, BT25XL, Form Flash, Sill Flash, and Flex; Typar AT, BA, RA or Flex; DuPont StraightFlash, FlexFlash)
- Polypropylene backed, self-adhering tape with acrylic adhesive (such as Dow Weathermate, DuPont Tyvek Tape, Typar Construction Tape, 3M 8087, Tuck Tape, Venture 1585CW)
- Aluminum foil coated, acrylic adhesive self adhering tape (hard foil tapes, such as Venture Tape 1519CW, Venture VB400, IPG Cold Weather Aluminum Foil Tape, R-SEAL 3000)
- Polyethylene backed contractors sheathing tape (AFM R-SHIELD Tape BT-025, Insulfoam PolyGuard 136, Venture 919)
- Polyester metalized foil butyl adhesive tapes (Protecto Super Stick Building Tape)
- Air Barrier tapes / materials – Any Prosoco product, DuPont Tyvek wrap, IPG NovaFlash SA
- THIS IS NOT A COMPLETE LIST, OTHER TAPES DEEMED COMPATIBLE BY THE TAPE MANUFACTURE ARE ACCEPTABLE ALTERNATIVES

Where taping is conducted to create a WRB function, all penetrations and flashings details must be observed (see ICC-ES ESR-1962, DrJ TER 1701-03, or UL ER16529-01 for specific approved materials).

In addition to taping, large gaps may be also filled or repaired using spray foam or commonly available caulks and sealants, such as Dap Door & Window Caulk. The manufacture of the caulk, foam, or sealant should be consulted for compatibility and application interactions for use with rigid foam boards.

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