



Signs of an Air Barrier issue. Not Properly Sealed.



Air barrier installation, such as Tyvek® is one of the most important components of a building assembly, even more important than a vapor barrier, with regard to detailing & sealing the installation. If the building does not have a continuous air barrier, the building will leak air from the inside out, taking along with it the warm moist air. Air will travel from one end of the building to the other in order to find the opening. This warm moist air will run across the interior face of the exterior and dump a lot of water, (from condensation) in your building cavity.

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Signs of an Air Barrier issue. Dirty condensation water

- ❑ **ALWAYS REVIEW** INSTALLATION PROCEDURES WITH the SUB at a *Pre-Installation Meeting*.
- ❑ The **ONLY** approved fasteners are either a 2" plastic cap screw or 1 ¼" min. metal gasketed washers & screw.
- ❑ Staples are only allowed for 24 hour temporary installation **and** must be covered with approved tape over each staple after approved fasteners have been installed.
- ❑ Gasketed brick tie fasteners may be used in lieu if approved cap fasteners w/ supplemental addition of approved cap fasteners in order to maintain fastener spacing.
The brick ties must be installed with-in 24 hours of the Tyvek installation.



Signs of an Air Barrier issue. Dirty insulation or drywall in the cavity.



Typical Issue during masonry tie installation.—which needs to be corrected.



Incorrect use of attachments & spacing.

← Staples for final install

Non-Gasketed → metal washers spaced incorrectly.

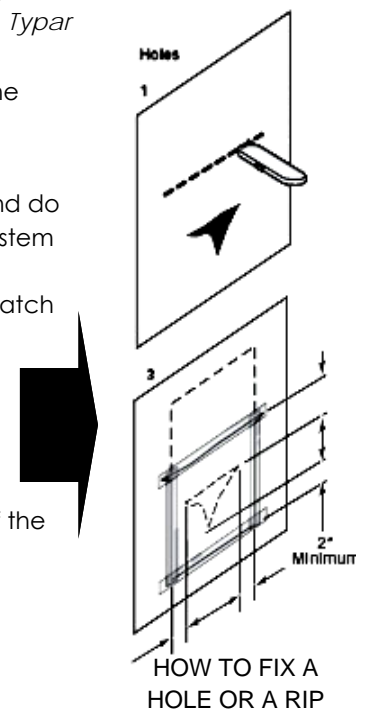


- ❑ Fastener spacing is not more than 16" O.C. (both directions) min. 6" from an corner, joint or opening jamb & sill & 9" min. from an opening head. (Fasten to stud only)
- ❑ Tyvek must NOT be exposed to sunlight for more than 9 months without written approval from the manufacture. (*another product, Typar Metrowrap has an exposure rating of 12 mo. If needed*)
- ❑ Flashing is to be placed under Tyvek®, taping the Tyvek onto the vertical portion of the flashing.
(BE CAREFUL NOT TO ATTACH THE TYVEK THRU THE FLASHING!)



Signs of an Air Barrier issue. Dirty drywall or wood in the cavity.

- ❑ Coordinate with the flashing details (including Mortar Net®) and do not attach the bottom section of the Tyvek until the flashing system has been installed. Discuss with the Mason.
- ❑ Give the mason a few rolls of Tyvek tape in order for them to patch as required.
- ❑ Cover a single line tear with Tyvek tape.
- ❑ For a hole or rip:
 1. cut a slot 4" above the hole/rip (4" wider than the hole),
 2. slide a new piece of Tyvek in the slot (extend 6") and
 3. tape all four sides of the Tyvek with a minimum 2" overlap of the tear/rip. *This will maintain the "shingle" effect for proper water drainage.*



Careful detailing at pipes & base required for proper install.

- ❑ **The air barrier must be tight & continuous throughout the bldg.**
- ❑ Tyvek must overlap a minimum 6".
- ❑ **The Air Barrier is NOT a vapor barrier.**