

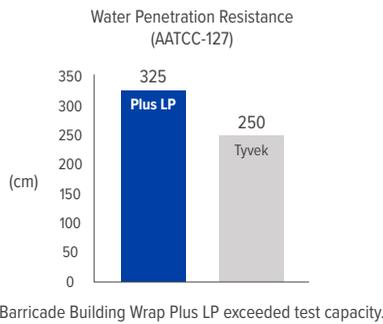
# Barricade® Building Wrap Plus LP™ vs. Tyvek® HomeWrap®\*

## UNDERSTANDING TECHNICAL SPECIFICATIONS

**COMPARABLE PERFORMANCE** Understand the performance criteria and see the differences for yourself!

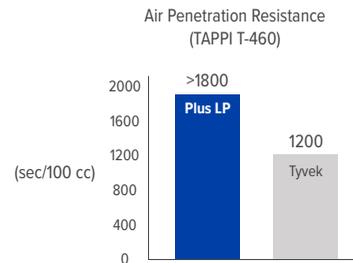
### Water Penetration Resistance

Water penetration resistance is a measurement of house wraps ability to resist a liquid water head for five hours under hydrostatic pressure (a column of water) without leaking. An elective (not code required) test procedure to measure this is AATCC-127. The better the house wraps water penetration resistance, the higher the test number. Non-perforated micro-porous house wraps perform much better in this test than perforated counterparts.



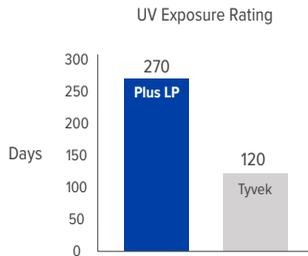
### Air Penetration Resistance

The TAPPI T-460 test procedure measures the house wraps air-resistant qualities by the number of seconds it takes for 100 cm<sup>3</sup> of air to flow through the wrap under standard conditions of atmospheric pressure, pressure difference, temperature, and relative humidity. The longer it takes the air to pass through, the greater its resistance to air penetration. Better the air resistance ultimately means that your homes energy efficiency can improve as it is protected against costly air infiltration.



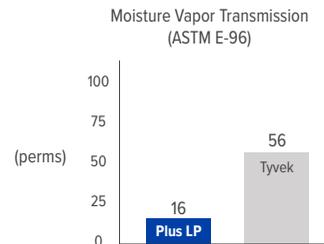
### Ultraviolet Protection

This is the maximum number of days the house wrap material may be left uncovered and exposed (before siding or cladding is installed) to the suns damaging UV rays before the material will begin a degradation process.



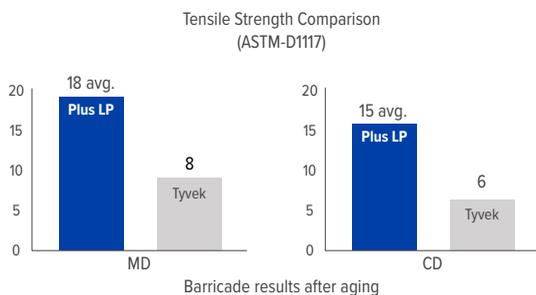
### Moisture Vapor Transmission Rate

This is the rate at which moisture vapor (water in gas form) passes through a house wrap in a fixed amount of time. This passage rate is expressed in perms (permeability) or g/m<sup>2</sup> 24 hrs. The test procedure used to measure MVTR is ASTM E-96.



### Tensile Strength

Barricade Building Wrap Plus LP offers supreme tensile strength due to its uniquely designed substrate (see graph below). If it blows off, we'll replace it, free!\*\*\*



### The Bottom Line

Micro-porous house wraps, such as Barricade Building Wrap Plus LP, provide excellent protection against bulk water penetration and costly air infiltration while at the same time allowing moisture vapor to pass through.



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\*Tyvek HomeWrap is a registered trademark of DuPont Company and values were obtained from published literature.

\*\*Barricade Building Wrap Plus LP must be installed according to Barricade Building Products' recommended guidelines and procedures in order to receive replacement product.

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