

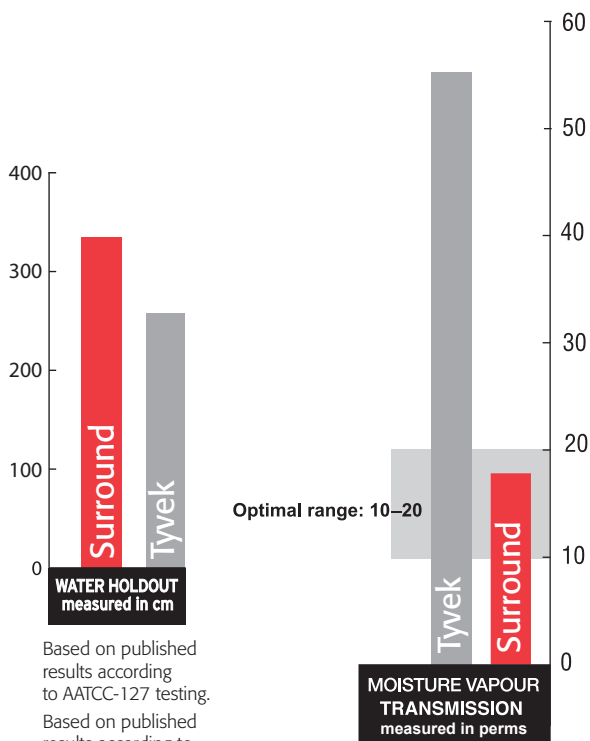
SURROUND™ HOUSEWRAP

VS

TYVEK® HOMEWRAP®



The facts and figures you need to make an informed decision.



Based on published results according to AATCC-127 testing.
Based on published results according to ASTM D5733 testing.

Based on published results according to ASTM E96-95 Procedure A testing.
*Source: Fiberweb, Inc.

There is plenty of information (and misinformation) floating around as it relates to weather-resistant barriers. Tyvek® HomeWrap® makes a lot of claims as to the superiority of their product. We would like to substantiate the benefits of Surround™ Housewrap.

Surround Housewrap is a polypropylene nonwoven breathable weather membrane. Engineered for top performance, it reduces the risk of moisture damage and mold growth in the wall cavity unlike any other product on the market, and the facts support it.

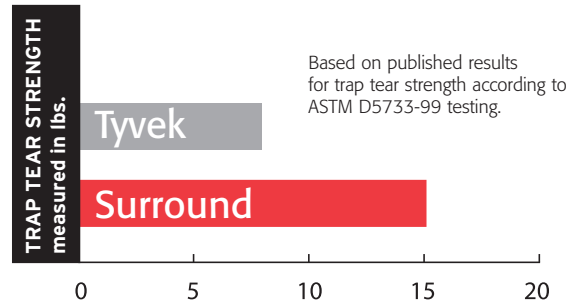
Surround
Housewrap
A TEKTON® Brand

FACT: Surround™ Housewrap delivers the best balance of water holdout and breathability.

- Yes, Tyvek® HomeWrap® delivers higher raw numbers for breathability, and claims that higher is better.¹ However, that is not the case in this particular instance. The balance of the water holdout and breathability is most important.
- Surround Housewrap technical experts insist that the true measure of a housewrap’s effectiveness is the combined performance of water holdout and breathability (perm rating). Surround Housewrap offers the best balance in the industry, which helps prevent moisture—and the problems associated with moisture—in wall cavities.*
- If breathability is too low, moisture vapour will not be able to escape from the walls. If breathability is too high, moisture vapour will be able to escape, but the housewrap’s ability to block water from the outside decreases. Surround Housewrap delivers a perm rating of 18, which falls within the ideal range of 10–20.

FACT: Surround Housewrap’s tear strength is nearly two times that of Tyvek HomeWrap’s.

Tyvek HomeWrap would like you to believe that their product stands up to the rigours of the jobsite better than Surround Housewrap. But the facts prove Surround Housewrap delivers trap tear strength that is almost two times that of Tyvek HomeWrap. Grab strength is the preferred testing method for tear strength, and Surround Housewrap performs at twice the industry standard. This helps better protect the integrity of your weather protection system, which keeps moisture from entering your wall cavity.



FACT: Tyvek HomeWrap has poor surfactant resistance. Surround Housewrap holds up better over time.

Once the siding is up and final inspection is complete, housewrap still needs to perform. Soaps from powerwashing and oils from cedar siding can degrade many housewraps. Tests prove that soap degrades the surface of Tyvek HomeWrap. And once there is a hole in the barrier, water can easily penetrate the wall cavity, which can lead to all sorts of problems. Surround Housewrap will not degrade over time, which helps keep your wall cavities dry.

Properties	Surround Housewrap*	Tyvek Homewrap**	What it means
Water Penetration	338 cm	250 cm	Both products pass minimum requirements
Moisture Vapour Transmission	18 perms	56 perms	Tyvek HomeWrap is outside the ideal rating (10–20)
Trap Tear	15/12 lbs	8/6 lbs	Surround Housewrap is nearly 2 times stronger than Tyvek
Ultraviolet Exposure	120 days	120 days	Both products have same ultraviolet exposure
Air Infiltration	0.00016	<0.004	Surround Housewrap leaks 25 percent less air

*Fiberweb, Inc.
**DuPont published performance specifications

Now that you know the differences, which housewrap would you choose? The best known, or the best performing housewrap? Choose Surround Housewrap.



¹Source: DuPont™ Tyvek® Building Science Bulletin, “Understanding High Perm vs. Low Perm,” Nov. 2008.



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