



CLIMATE DEFENSE SYSTEM™

Physical Properties Comparison Sheet						
	Comments	Units	Method	Typar HouseWrap	Tyvek Home Wrap	Grade D Building Paper
Water Absorption	"NO" is the desired result		ASTM D-5034	NO	NO	YES
Water Ponding	"PASS" is the desired result	MD CD	CCMC Tech Guide MF-07193 CCMC Tech Guide MF-07193	PASS PASS	PASS PASS	FAIL FAIL
Boat Test	Higher is better	minutes	ASTM D-779	No sign of moisture after 1440 min.	Signs of moisture after 180 min.	60
Water Penetration Resistance	Higher is best	cm	ATCC-127	865	280	FAIL
Trapezoidal Tear	Higher is best	MD CD	ASTM D-1117 ASTM D-1117	30 33	6 6	3 2
Water Vapor Transmission	Lower is best (if above 5) (Optimal Range is 10-20*)	perms	ASTM E, Method A	12	58	5
Air Infiltration Barrier	Lower is better	l/s/m <sup>2</sup> x 10 <sup>3</sup>	CCMC Tech Guide MF-07273	2	34	Not a Barrier
Type 1 Air Barrier	Higher is best	sec/100cc	TAPPI T-460	>2500	300	Not a Barrier
Ultraviolet Light Exposure Resistance (UV)	Higher is best	months	QUV	6	4	Cover ASAP
Food Source for Mold	"NO" is the desired result		ASTM 3273	NO	NO	YES
Surfactant Resistance	"NONE" is the desired result		In-House Test Method	NONE	Moisture Penetrates	Moisture Penetrates

\*Source: Fiberweb, Inc.

\*\*Typical values for a Grade D Building Paper.

For more information, visit [www.typar.com](http://www.typar.com)

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