

## ABAA Process for Approval of Air Barrier Materials, Accessories and Assemblies

### 5.1 Factory-Bonded Membranes to Sheathing

Product Property	Test Standard	Test Standard Title	Unit	Requirement	
				Min.	Max.
Air Permeance	ASTM E2178-13	Standard Test Method for Air Permeance of Building Materials	L/(s•m <sup>2</sup> ) at a pressure differential of 75 Pa  (cfm/ft <sup>2</sup> at a pressure differential of 1.57 psf)	-	0.02  (0.004)
Pull Adhesion	ASTM D4541-09e1	Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers - <i>Specify substrate and surface preparation. Declare failure mode.</i>	psi  (kPa)	16  (110)  or report value at substrate release	-
Peel Adhesion (of adjoining board transition material to factory-bonded laminated material)	ASTM D3330 / D3330M – 04 (2010) method F	Standard Test Method for Peel Adhesion of Pressure-Sensitive Tape	lbf/in (pli)  (N/mm)	1.0  (0.175)	-
Water-Resistance Testing	AATCC 127-08	Water Resistance: Hydrostatic Pressure Test for 5 hours	inches  (cm)	pass @ 22  (pass @ 55)	-
Fastener Seal ability	ASTM D1970 / D1970M - 13	Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection	-	Pass	-
Water Vapor Permeance	ASTM E96 / E96M - 12	Standard Test Methods for Water Vapor Transmission of Materials (Water and Desiccant methods)	US Perms  (ng/Pa•s•m <sup>2</sup> )	Declare	