Tech-Talk Bulletin

Effective 05/11/2021
Supersedes all previous versions

Henry® Air Barrier Assemblies Meet ASTM E2357

To date, there are two industry-recognized methods of defining air permeance for air barriers.

Industry standard for determining air leakage	
Test type	Test Method
Individual product testing	ASTM E2178 - Standard Test Method for Air Permeance of Building Materials
Assembly testing	ASTM E2357 - Standard Test Method for Determining Air Leakage of Air Barrier Assemblies

ASTM E2357 simulates an installed air barrier assembly
ASTM E2357 measures the air leakage of an “opaque” (non-penetrated) wall, and compares it with the air leakage of a wall containing pipe penetrations, brick ties, electrical boxes, foundation transitions, lap seams and a rough window opening; recording positive and negative air pressure, wind gust loads and sustained gust loads. If the measured air leakage rate of the penetrated wall is greater than 10% of the opaque wall, the system fails.

Henry Company has a broad portfolio of assemblies meeting the definitive standard as shown below.

Henry assemblies that meet ASTM E2357			
Henry air barrier tested assembly	Air barrier assembly type	Assembly permeance	Status
Air-Bloc® 16MR Air and Vapor Barrier	Fluid applied	Non-permeable	Passed
Air-Bloc 17MR Vapor Permeable Air Barrier	Fluid applied	Vapor permeable	Passed
Air-Bloc All Weather STPE™ Fluid Applied Vapor Permeable Air Barrier	Fluid applied	Vapor permeable	Passed
Blueskin® Metal Clad Self-Adhered Water Resistive Air Barrier	Self-adhered	Non-permeable	Passed
Blueskin SA Self-Adhered Water Resistive Air Barrier	Self-adhered	Non-permeable	Passed
Blueskin SA LT Self-Adhered Water Resistive Air Barrier	Self-adhered	Non-permeable	Passed
Blueskin VP160 Self-Adhered Water Resistive Air Barrier	Self-adhered	Vapor permeable	Passed