PAC- Properties and Attributes Comparison

Dow SPF CA (2016) vs WALLTITE v3

Property in accordance with the CAN/ULC S705.1 Standard	Test Method	WALLTITE v3	Dow SPF CA	Relevance
Product Standard	CAN/ULC S705.1	Complaint	Complaint	This standard is referenced in the NBC and provincial codes and describes the minimum requirements
Air Permeance, L/s/m2 tested at @ 75 Pa and 25.4 mm thickness **Material test only**	CCMC 07272-	<0.02	0.00004	This is simply a test of the material and NOT a system
Air Permeance, L/s/m2 tested at 25.4 mm and as per the Technical Guide for **Air Barrier Systems** for Exterior Walls of Low-Rise Buildings,	CCMC 07272-	System Result 0.0054	Not Available	This test is based on a complete SYSTEM that includes penetrations, openings and transition membranes ONLY; no full coverage AVB.
Apparent Core Density, kg/m3 (lb/ft3)	ASTM D1622	28.9 (1.80)	34-37 (2.1-2.3)	Having a lower density means less product is needed resulting in a higher level of sustainability.
Dimensional Stability, % change, 28 days at -20°C at 70°C, 97 +/- 3% RH at 80°C	ASTM D2126 Modified	 -0.2 +8.9 1.7	 -0.03 +9.8 +2.9	These values are for an unrestrained sample and are useful for QAP purposes.
Surface Burning Characteristics Flame Spread Classification Smoke Developed	CAN/ULC S102 and S127	Flame Spread <500	 200 <500	Both are compliant with the NBC
Open Cell Content, volume %	ASTM 6226	6	1	The standard allows for a value of 8% or less
Long-term Thermal Resistance, m2•K/W (RSI) 100 mm 75 mm 50 mm 25 mm	CAN/ULC S770	 4.55 3.33 2.17	 4.0 3.0 2.0 1.0	A larger value indicates a higher level of sustainability
Tensile Strength, kPa	ASTM D1623	325	355	

Compressive Strength, kPa	ASTM D1621	201	195	
Water Absorption, % by volume	ASTM D2842	0.6	0.8	
Water Vapour Permeance, ng/(Pa•s•m2)@ 50mm	ASTM E96	41	37	
Volatile Organic Compound Emissions, time to residential occupancy	CAN/ULC 774	24 hr	24 hr	
Method of Identification	Color Additive	Purple	Blue	

The information contained in this document is based on the manufacturer's literature available at the time it was written. For more information about this bulletin contact Building Resource Inc and for complete information on the products included contact the manufacturer.