



### **TB WALL XPS Foam Based Data Table**

Product Thickness(1)	Foam Thickness		Approx Product Weights		LTTR R-value(2)	ASTM C518 R-value (3)
	in.	mm	lb/sq. ft	kg/sq.m		
1.0"	26	0.5"	19	1.4	6.8	3.12
1.5"	39	1.0"	29	1.6	7.8	5.62
2.0"	51	1.5"	38	1.7	8.3	8.1
2.5"	64	2.0"	51	1.8	8.79	10.6
3.0"	76	2.5"	64	1.9	9.29	13.1
3.5"	89	3.0"	76	2	9.76	15.6
4.0"	102	3.5"	89	2.1	10.25	18.1
4.5"	114	4.0"	102	2.2	10.74	20.6
5.0"	127	4.5"	114	2.3	11.23	23.1
5.5"	140	5.0"	127	2.4	11.72	25.6
6.0"	152	5.5"	140	2.5	12.21	28.1
6.5"	165	6.0"	152	2.6	12.69	30.6
7.0"	178	6.5"	165	2.7	13.18	33.1
7.5"	191	7.0"	178	2.8	13.67	35.6
8.0"	203	7.5"	191	2.9	14.16	38.1

(1) The nominal foam thickness is 1/2" less than the overall panel thickness

(2) For comparison with LTTR (Long Term Thermal Resistance) values used by the polyiso industry. XPS foam manufacturers recommend ASTM C518 for thermal measurement.

LTTR values, supplied by XPSA, were generated per CAN/ULC S770 by a third party laboratory.

(3) ASTM 518 R-value measurement per XPS manufacturers recommendation

### **TB WALL Polyiso Foam Based Data Table**

Product Thickness(1)	Foam Thickness		Approx Product Weights		LTTR R-value(2)
	in.	mm	lb/sq. ft	kg/sq.m	
1.0"	26	0.5"	19	1.4	3.4
1.5"	39	1.0"	29	1.6	6.3
2.0"	51	1.5"	38	1.7	9.2
2.5"	64	2.0"	51	1.8	12
3.0"	76	2.5"	64	1.9	15
3.5"	89	3.0"	76	2	18
4.0"	102	3.5"	89	2.1	21.1
4.5"	114	4.0"	102	2.2	24.2
5.0"	127	4.5"	114	2.3	27.4
5.5"	140	5.0"	127	2.4	30.5
6.0"	152	5.5"	140	2.5	33.5
6.5"	165	6.0"	152	2.6	36.6
7.0"	178	6.5"	165	2.7	39.6
7.5"	191	7.0"	178	2.8	42.65
8.0"	203	7.5"	191	2.9	45.7

(2) For comparison with other Polyiso based wall insulation panels. LTTR R-Values based on ASTM C1289-11A, effective January 1, 2014. BHT recommends wall R-values based on ASTM C 518 which can be supplied upon request.