



THERMAL RESISTANCE OF GENYK 'Boreal' (CCMC # 14025-L)

Thermal resistance is a measurement of the ability of a material to resist heat flow. In terms of insulation, thermal resistance is measured by the R-value (Imperial) and RSI-value (Metric). An R-value is a unit of thermal resistance for a particular material or assembly of materials (such as a wall assembly).

Thermal resistance varies with temperature differential and wind load; however, it is common practice in construction to treat it as a constant value. R-value is expressed as the thickness of the material normalized to the thermal conductivity. The higher the R-value, the better the theoretical effectiveness of the insulation. R-value is the reciprocal of U-factor.

Long Term Thermal Resistance (LTTR) is defined as the thermal resistance value of a closed cell foam insulation product measured after storage for five years under prescribed laboratory conditions.

LONG-TERM THERMAL RESISTANCE –

as per CAN/ULC S770 Testing Protocol

Thickness mm (inches)	R-VALUE (ft ² *hr*°F/BTU)	RSI (m ² *K/W)
50.8 (2.00)	11.8	2.06
63.5 (2.50)	14.9	2.62
76.2 (3.00)	18.1	3.19
88.9 (3.50)	21.5	3.79
102.0 (4.00)	24.6	4.33
127.0 (5.00)	31.1	5.48
152.0 (6.00)	37.1	6.53
177.8 (7.00)	43.4	7.64
203.2 (8.00)	49.9	8.79

GENYK 'Boreal Lavender' is a Type Two Insulation Product. The design R-value for ULC S770, type two insulation products is R-6 per inch.

Inquiries regarding the thermal resistance of GENYK 'Boreal' should be directed to:

Mike Richmond

Technical Sales Representative



Cell : 226-339-3089

Toll free : 1-844-404-3695

mikerichmond@genyk.com