COMFORTBOARD™ 80

ROXUL COMFORTBOARD™ 80 is a rigid mineral wool insulation sheathing board that is non-combustible, water repellent, fire resistant and sound absorbent. ROXUL COMFORTBOARD™ 80 is an exterior non-structural insulation sheathing that provides a continuous layer of insulation around the residential building envelope.

This product is specifically engineered as exterior non-structural insulation sheathing for high performance residential wall systems.

- Can be easily cut with a breadknife
- Non-combustible with a melting point of approximately 1177°C (2150°F)
- Excellent sound absorbency
- Vapor Permeable
- Does not rot or promote growth of fungi or mildew
- Low moisture sorption
- Chemically inert; non-corrosive
- Water repellent
- CFC and HCFC free, product and process
- Made from natural & recycled materials
- ROXUL can contribute to earning LEED® points

Product Range

Item Number	R-Value	Thickness (in)	Width (in)	Length (in)	Pieces Per Pack	Packs Per Pallet	sq ft Per Pack	sq ft Per Pallet
169063	R-5	1.25	24	48	7	22	56	1232
168605	R-5	1.25	48	96		32		1024
169065	R-6	1.5	24	48	6	20	48	960
168604	R-6	1.5	48	72		28		672
168606	R-6	1.5	48	96		28		896
169067	R-8	2	24	48	5	18	40	720
169068	R-8	2	36	48	3	16	36	576
168607	R-8	2	48	96		20		640
246702	R-10	2.5	48	72		16		384
169069	R-12	3	24	48	3	22	24	528
169070	R-12	3	36	48	2	16	24	384
168608	R-12	3	48	96		15		480

Technical Information

Property	Test Standard	Performance
Compliance	ASTM C612	Mineral Fiber Block and Board Thermal Insulation - Type IVB Compliant
Compliance	CAN/ULC S702	Mineral Fibre Thermal Insulation for Buildings - Type 1 Compliant
Reaction to Fire	ASTM E84 (UL 723)	Flame spread index = 0 ; Smoke developed index = 0
Reaction to Fire	CAN/ULC S102	Flame spread index = 0 ; Smoke developed index = 0
Reaction to Fire	CAN/ULC S114	Determination of Non Combustibility of Building Materials - Non Combustible
Density	ASTM C303	Actual Density - 8 lbs/ft^3 (128 kgs/m^3)
Corrosion Resistance	ASTM C795	Stress Corrosion Cracking Tendency of Austenitic Stainless Steel - Passed
Corrosion Resistance	ASTM C665	Corrosion of Steel - Passed
Thermal Resistance	ASTM C518 (C177)	R-Value / inch @ 75oF - 4 hr.ft2.F/Btu RSI value / 25.4mm @ 24oC - 0.70 m2K/W
Thermal Resistance	ASTM C518 (C177)	RSI value / 25.4mm @ 24oC 0.70 m2K/W
Reaction to Moisture	ASTM C1104	Moisture Sorption - 0.05%
Reaction to Moisture	ASTM E96	Water Vapor Transmission, Desiccant Method - 1768ng/Pa.s.m2 (31 perm)
Reaction to Moisture	ASTM C1338	Determination of Fungi Resistance - Passed

Property	Test Standard	Performance
Compressive Strength	ASTC C165	439psf (21kPa) @ 10% compression
Compressive Strength	ASTC C165	1065psf (50kPa) @ 25% compression
Thickness		1.25" (31.8mm), 1.5" (38.1mm), 2" (50.8mm), 3" (76.2mm)
Dimensions		24"x48"(610x1219mm),36"x48"(914x1219mm),48"x72"(1219x1829mm),48"x96"(1219x2438mm)
Acoustical Performance	ASTM C423	

Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000Hz	4000 Hz
1.5"	0.21	0.64	0.92	1	0.95	1.01
2"	0.43	0.78	0.9	0.97	0.97	1
3"	0.75	0.82	0.89	0.94	1	1