



NI WW 60 – Window Wall 60 presents a semi-rigid stone wool insulation board, available in a 6pcf density formulated for exterior cavity wall and rainscreen applications.

Compatible with a wide array of cladding attachment systems, NI WW 60 offers durability alongside its non-combustible features. This ensures that the insulation remains resilient, resisting toxic smoke development and flame spread even under direct fire exposure. Beyond fire safety, NI WW 60 delivers energy efficiency with dependable thermal performance, enhanced acoustic comfort, and moisture resistance, ensuring sustained insulation value over time.

Description

NI WW 60 Insulation is an inorganic mineral fiber insulation produced from basalt volcanic rock. Board is non-combustible, nondeteriorating, moisture resistant, dimensionally stable, noncorrosive, and non-mildew supporting. It has a high fiber with a low non-fibrous content and a very low organic binder. It maintains a consistent density throughout its designed life cycle.

Packaging

NI WW 60 Insulation is packaged in a poly film shrink wrap.

Design Considerations

NI WW 60 Insulation can also be used in fire-rated wall assemblies although the exact assembly may require further testing to comply with building codes. The use of such a wall does preclude the need for active fire suppression systems. A sheet or film vapor retarder, adhered to one face of the boards, may be needed for exterior wall applications, and should be specified by the architect or engineer for the building project. For acoustical applications requiring a particular STC rating, further testing of the exact wall assembly may be required since product thickness and dry wall thickness and stud spacing, can affect test results.

NI WW 60 Insulation is a lightweight, semi-rigid stone wool insulation board designed specifically for use in window and wall systems.

Property	Performance / Characteristic	Test Standard
Compliance	Mineral Fiber Block and Board Thermal Insulation - Type IVB Compliant	ASTM C612
Density	Actual density 6 lbs/ft ³ (96 kg/m ³) Nominal 8 lbs/ft ³	ASTM C303
Reaction to Fire	Flame Spread / Smoke Developed 0 / 5	ASTM E84
	Flame Spread / Smoke Developed 0 / 0	CAN/ULC S102
	Non-combustible	CAN/ULC S114-5
	Non-Combustible	ASTM E136
Thermal Resistance	R-Value for 1 inch (25 mm) thickness @ 75°F (24°C) mean temperature: 4.2 hr-ft ² -°F/Btu (0.74 m ² -°K/W)	ASTM C518
Water vapor sorption	0.1%	ASTM C1104
Fungi resistance	Passes	ASTM C1338
Non-fibrous content	< 12%	ASTM C1335
Thicknesses / Dimensions	1" – 6" thick in ½" (25 mm) increments, 24" x 48" (610 mm x 1219 mm) boards	NA

Note: 16" wide batts may be available upon request.

North Insulation Solutions Inc has no control over installation design and workmanship, accessory materials, or application conditions. North Insulation Solutions Inc does not guarantee the performance or results of any installation containing these products. North Insulation Solutions Inc's overall liability and the remedies available are limited by the general terms and conditions of sale. This warranty is in lieu of all other warranties and conditions expressed or implied, including the warranties of merchantability and fitness for a particular purpose.

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