



NICHIAS

ROCK WOOL CURTAINWALL

FIRE PROTECTION

PRODUCT DATA SHEET

DESCRIPTION

Nichias Rock Wool Insulation is made of inorganic fibres from volcanic rock and minerals bonded together by an organic binder. Using the latest and most advanced manufacturing technology from Japan, ensures consistent product quality, high fibre density and low shot content for excellent performance for high temperature, fire resistance and acoustic applications.

APPLICATIONS

Rock Wool Curtainwall is designed to provide superior fire resistance properties in glass, metal, concrete and masonry curtain wall spandrel systems, including fire rated floor/wall assemblies.

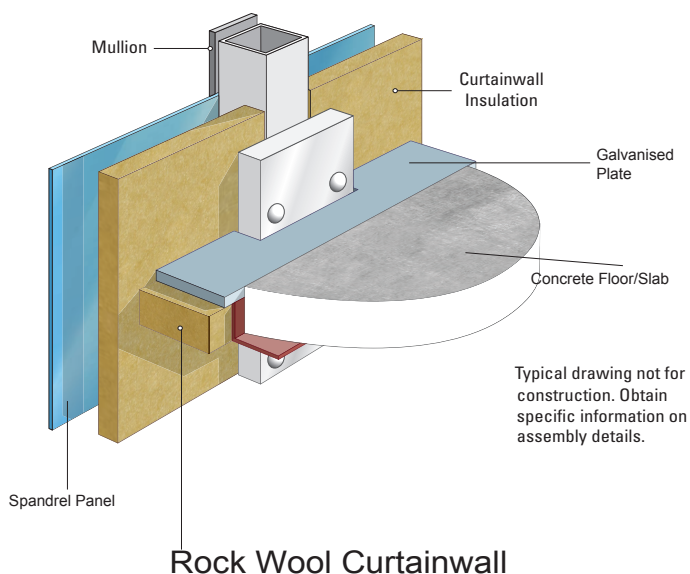
Rock Wool Curtainwall is non combustible, and when installed in curtain wall applications will perform as a fire barrier between floor of multistory buildings.

INSTALLATION

Rock Wool Curtainwall are light weight, semi flexible and easily cut using a utility knife.

During installation allowance for 10% compression should be allowed for and ensure all gaps and voids are installed.

Typical Perimeter Fire Containment Joint



KEY BENEFITS

- * Durable and light weight
- * High fibre content
- * Low shot content
- * Non combustible
- * Non corrosive
- * Easily cut and formed
- * Safe to use product and meets the criteria for bio solubility
- * Low dust fallout
- * Fire Protection
- * ASTM C612 Mineral fibre block and board thermal insulation - type IV



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PACKAGING/STANDARD SIZES

- 1.2m x 120mm x 50mm - 40pc Pack
- 1.2m x 120mm x 75mm - 25pc Pack
- 1.2m x 120mm x 100mm - 20pc Pack

PHYSICAL PROPERTIES

Thermal Conductivity	ASTMC177
	0.033 at 24°C Mean Temperature
Non Combustibility	AS1530 Part 1 BS476 Part 4
Early Fire Hazard	AS1530 Part 3
Ignitability index	0
Spread of flame	0
Heat evolved	0
Smoke developed	1
Surface Burning Characteristic	ASTM E84
Fusion Point	1100°C
Corrosion Resistance	ASTM C795
Water Absorption	ASTMC1104
	Less than 0.02% by volume

TYPICAL FIRE PROTECTION LEVELS

DEPTH OF SLAB	THICKNESS CURTAIN WALL	FRL (Minutes)
120mm	45mm	/-120-120
120mm	90mm	/-120-120
120mm	135mm	/-120-120



This product does not contain any asbestos fibres nor freon such as CFCs, HFCs, SCFs, HCFCs, which will affect the environment

MANUFACTURER

PT. NICHIAS ROCK WOOL INDONESIA



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