

Ecwool® Classic Board

Ecwool® Classic Board is specifically designed to provide superior fire resistance, acoustical and thermal insulation properties when installed in glass, metal or in fabricated metal pans. Ecwool®, the new generation of glass mineral wool has been engineered to provide the highest levels of thermal and acoustic performance for building occupants to achieve the optimum level of indoor comfort deserved.

APPLICATION

Laminated with a premium and durable single, double sided aluminum foil facing or woven glass fabric.

Custom curtain wall construction. Exterior curtain wall cavities-exceptionally well suited to curtain wall construction in terms of both installation and performance.

Standard metal panel construction. Field-installed between an interior liner and the outer metal panel using boards that are plain or faced with a factory-applied vapour retarder.

New and retrofit construction. Provides thermal and acoustical insulating values for exterior curtain wall cavities, parking structures, mechanical rooms, theatres, casinos and other construction applications.

General construction. A versatile insulation that also offers thermal barrier for masonry or concrete structures such as shopping centres, banks and various type of low-rise buildings. In masonry applications, the glass mineral wool boards faced with an FSK vapour retarder are installed between "Z" or hat channels applied directly to the masonry surface.

FEATURES AND BENEFITS

Thermal and acoustical solution. Super fine fibres create an enormous number of minute air spaces, making the insulation highly effective for sound absorption and thermal insulation properties.

Optimal fibre diameter. Optimal fibre diameter ranging from 4-5micron produces more air chamber which enables the insulation to provide a better and enhanced performance.

Better fibre network. Fine, longer and evenly distributed fibre network helps in creating better tensile strength allowing the insulation to demonstrate superior durability, flexibility that feels much softer.

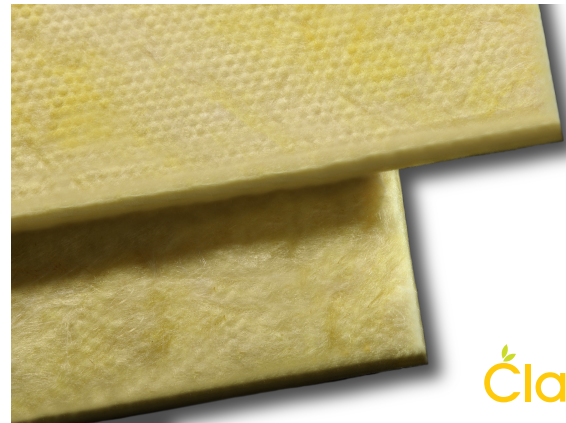
Less dust and less itch. Specifically engineered to produce a comfortable and less dusty insulation. The insulation creates a pleasant work experience by reducing the tingling feeling during installation.

Alkalinity. pH 9.

Low water vapour absorption. Absorbs <0.02% by volume. Tested in accordance with ASTM C1104.

Absorbs disturbing sound. Exceptional sound-absorbing properties. Eliminates unwanted boundary reflections and controls excessive room reverberation. NRC rating up to 1.0.

Mould-free. Does not encourage growth of mould, fungus or bacteria. Tested in accordance to ASTM C1338-08.



Classic

Non-corrosive. Chemically inert. Will not cause or accelerate corrosion of steel, stainless steel, copper or aluminium due to its specifically inorganic and mineral composition. Tested in accordance with ASTM C665-12.

Zero odour emission. Does not emit any unpleasant odour. Tested in accordance with ASTM C1304.

CERTIFICATIONS

MS1020:2010 Certified. Ecwool® Classic Board is MS1020:2010 compliant product. The certification is accredited by SIRIM OAS.

CIDB Certified. Ecwool® Classic Board is certified by CIDB according to Section VITA CIDB Act (2011 Amendment) Please contact PGF Insulation representative for further information.

PERFORMANCE

Fire safety properties. Tested in accordance with (plain/unfaced)

- B.S. 476: Part 6 Fire propagation
- B.S. 476: Part 7 Surface spread of flame
- BOMBA Class "O" (glass mineral wool only)
- ASTM E84.

Acoustical performance. Not only an effective thermal insulation, Ecwool® Classic Board acts as a natural and effective sound barrier. Ecwool® Classic Board is amongst the most effective acoustic insulation solutions when sound proofing is required. Please contact PGF Insulation representative for further information.

Thermal conductivity. Tested and complies with ASTM C518 at 20°C mean temperature. Please refer to the table on products available for more information on the thermal conductivity and resistance values.

Water repellent. Water repellency of Ecwool® Classic Board can be enhanced by adding water repellent chemical without affecting the product performance. By doing that, Ecwool® Classic Board is able to meet the performance criteria of ISO 29767.



Please contact PGF Insulation sales representative for further information.

PRODUCT AVAILABLE

Ecowool® Classic Board (1.2m x 2.3)

	EWBR 2532	EWBR 5032
Thickness (mm)	25	50
K-Value (m ² K/W)	0.0327	0.0327
R-Value (W/mK)	0.75	1.55
	EWBR 2548	EWBR 5048
Thickness (mm)	25	50
K-Value (m ² K/W)	0.0309	0.0309
R-Value (W/mK)	0.80	1.60
	EWBR 2564	EWBR 5064
Thickness (mm)	25	50
K-Value (m ² K/W)	0.0309	0.0309
R-Value (W/mK)	0.80	1.60
	EWBR 2580	EWBR 5080
Thickness (mm)	25	50
K-Value (m ² K/W)	0.0309	0.0309
R-Value (W/mK)	0.80	1.60
	EWBR 2596	EWBR 5096
Thickness (mm)	25	50
K-Value (m ² K/W)	0.0309	0.0309
R-Value (W/mK)	0.80	1.60

AVAILABLE FORM

Unfaced or Plain - unfaced boards are designed for thermal and acoustical insulation applications.

- **Faced with FSK Foil (Foil/Scrim/Kraft)** - Faced boards can be used where a vapour barrier is needed. Available either in single sided or double sided FSK Foil.
- **Faced with WGF (Woven Glass Fabric)** - Faced with rich matte black color acoustic material. This lightweight, high-tensile strength fabric which will not rot, tear or wear.
- **Faced with Black Glass Tissue (BGT)** - Boards faced with BGT can be used as acoustic lining to reduce noise transmission and minimize fiber erosion.

PRODUCT RANGE

Available in either semi rigid or rigid form.

Semi Rigid Board : EWBR2532, EWBR5048, EWBR5032, EWBR2548

Rigid Board : EWBR2564, EWBR5064, EWBR2580, EWBR5080, EWBR2596, EWBR5096

WARRANTY

This product is covered by a 70 years product warranty.

For Unfaced or Plain Product only.

For full details, please go to www.ecowool.com.my

* Terms & conditions apply.



SHORT FORM SPECIFICATION

Plain or unfaced

All glass mineral wool insulation shown on drawings or specified herein shall be Ecowool® Classic Board _____ kg/m³, with thickness of _____ mm. Thermal resistance "R-Value" of the insulation shall be R _____ .

Faced

All glass mineral wool insulation shown on drawings or specified herein shall be Ecowool® Classic Board _____ kg/m³ with thickness of _____ mm and faced with _____ (single sided FSK, double sided FSK, WGF, BGT) facing material. Thermal resistance "R-Value" of the insulation shall be R _____ .

Technical specifications as shown in this literature are intended to be used as general guidelines only. The physical and chemical properties of the glass mineral wool insulation listed herein represent typical average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. The suitability of the product is not binding for special individual cases. Warranty and liability upon delivery shall be in accordance with our General Terms and Conditions. No responsibility is assumed for the correctness of this information.