

### ECOWOOL® Classic blanket

ECOWOOL® Classic blanket external duct wrap, the new generation glass mineral wool insulation manufactured by PGF Insulation Insulate the conventional metal duct sheet with improved thermal insulating properties. The external glass mineral wool duct wrap has been engineered to provide the highest level of insulation performance for building occupants to experience the optimum level of indoor comfort.

### APPLICATION

Recommended as a thermal insulation for the exterior of HVAC systems or other spaces or surfaces where temperature control is required. ECOWOOL® Classic blanket meets typical industry standards for core and tensile strength, which makes the product more resistant to damage during installation. The flexible and light weight features allow the insulation to conform easily around corners and curved surfaces can be readily cut with die presses or with a knife.

ECOWOOL® Classic blanket duct wrap reduces heat loss or gain through duct walls, conserving energy and controlling moisture condensation.

### FEATURES AND BENEFITS

**Better fibre network.** Fine, longer and evenly distributed fibre network helps in creating better tensile strength allowing the insulation to demonstrate superior durability. Due to unique fiber structure in can be easily bend over different shapes and parts of HVAC systems

**Optimal fibre diameter.** Optimal fibre diameter produces more air chamber which enables the insulation to provide a better and enhanced performance.

**Low water vapour absorption.** Absorbs <0.2% by volume. Tested in accordance with ASTM C 1104/C 1104M-13a.

**Zero-odour emission.** Does not emit any unpleasant odour. Tested in accordance with ASTM C 1304.

**Maximum service temperature.** Maximum service temperature of 450°C. Tested in accordance with ASTM C411-11 & ASTM C447-10.

**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.

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



**Mould-free.** Does not encourage the growth of mould, fungus or bacteria. Tested in accordance with ASTM C 1338-14.

**Exceptional sound-absorbing properties.** ECOWOOL® Classic blanket External Duct wrap reduces the transmission of HVAC noises such as air turbulence, popping and cracking.

**Sustainable product.** ECOWOOL® Classic blanket external duct wrap is free from CFCs, HCFCs and any material with ozone depletion potential (ODP) in their manufacture/composition content, which are harmless to the environment. ECOWOOL® Classic blanket external duct wrap is compliant with most green rating tools including ODP emission credit requirements. Air quality is unaffected with total volatile organic compound (VOC) emissions below quantifiable levels.



### CERTIFICATIONS

**MS1020:2010 certified.** ECOWOOL® Classic blanket is MS1020:2010 certified. The certification is accredited by SIRIM QAS.

**CIDB COA compliant.** ECOWOOL® Classic blanket is CIDB COA compliant according to Section VIIA CIDB Act (2011 Amendment). Please contact PGF Insulation representative for further information.

## PERFORMANCE

Fire safety properties. Inherently non-combustible and doesn't fuel fire or propagate flames therefore, the ECOWOOL® Classic blanket external duct wrap won't burn if exposed to fire. Tested in accordance with:

- B.S. 476: Part 4
- B.S. 476: Part 6 Fire propagation
- B.S. 476: Part 7 Surface spread of flame
- ASTM E84-15b Test for Surface Burning Characteristics

Acoustical performance. Besides being an effective thermal insulation, ECOWOOL® Classic blanket external duct wrap is the ideal option when effective acoustic insulation solution and sound proofing is required.

Assured thermal performance. Greatly reduces heat gains or losses through the duct walls so that energy costs are reduced and conditioned air reaches the outlet at the required temperature. Tested in accordance with ASTM C518 at 20°C mean temperature.

## PRODUCT AVAILABILITY

Type	Density (kg/m³)	K-Value (W/m K)	R-Value (m²K/W)	Thickness (mm)	Width (m)	Length (m)
EWBL 0.75	32	0.0327	0.75	25	1.2	20
EWBL 1.50	32	0.0327	1.50	50	1.2	10

Tested to mean temperature of 20°C

**AVAILABLE FORM**

Unfaced or Plain - designed for predictable thermal insulation performance with the added benefit of being an effective sound absorption material.

Customised product is available subject to minimum order quantity. Please contact PGF Insulation representative for more information.

## WARRANTY

This product is covered by a 70 years product warranty.

For full details, please go to  
**[www.ecowool.com.my](http://www.ecowool.com.my)**

\* Terms & conditions apply.



## SPECIFICATION STATEMENT

All ducts are to be insulated on the external GI surface with ECOWOOL® Classic blanket external duct wrap glass wool insulation. All glass wool insulation shown on drawings or specified herein shall be ECOWOOL® Classic blanket EWB1\* \_\_\_\_\_ with thickness of \*\_\_\_\_\_ mm. Thermal conductivity K-Value of the insulation shall be K 0.0327 W/mK. It shall be MS1020:2010 certified and CIDB COA compliant according to Section VIIA CIDB Act (2011 Amendment). It will be manufactured by PGF Insulation and shall be installed in accordance with the instructions issued by manufacturer.

\* consultant to insert details of products used.