

Ecowool Classic POLYTONE®

Built on Ecowool technology, Ecowool Classic POLYTONE® glass mineral wool ceiling panel is manufactured using up to 80% of recycled glass cullet. It is an aesthetical and decorative suspended ceiling system, specially designed for selective and distinctive applications, where acoustical (sound) control is crucial and paramount.

APPLICATION

As decorative, acoustically effective suspended ceilings for indoor use and in covered outside areas that are not exposed to weather such as rain or environmental pollution. Ecowool Classic POLYTONE® is installed on an exposed or concealed suspended grid system, creating a ceiling with a smooth appearance. Each acoustic panel is easily demountable.

FEATURES AND BENEFITS

Sustainable product. Ecowool Classic POLYTONE® 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 POLYTONE® 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.

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

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

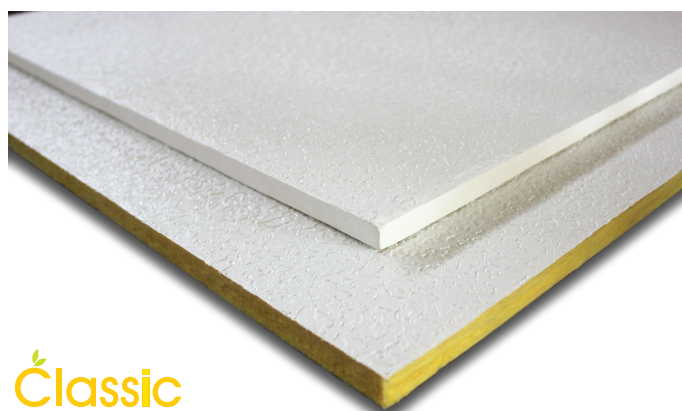
Optimal fibre diameter. Optimal fibre diameter ranging from 4-5 micron produces more air chamber which enables the insulation to provide a better and enhanced performance.

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.

Alkalinity. pH 9.

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

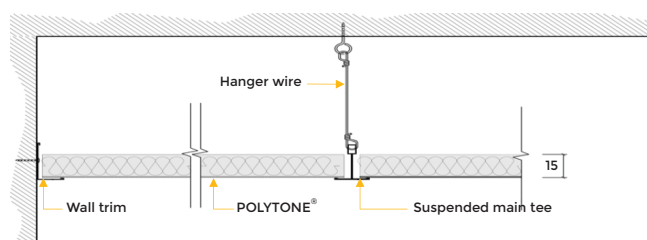
Zero odour emission. Does not emit any unpleasant odour. Tested in accordance with ASTM C1304.



Classic

PERFORMANCE

Sag Resistance. Moist indoor air can cause other panels to visibly sag. Ecowool Classic POLYTONE® acoustic ceiling panel offers very high resistance to moisture absorption which protects them against warping, bulging and sagging. The panels can withstand a permanent ambient relative humidity (RH) up to 90% at 30°C without sagging.



Hygienic properties. Made of Ecowool glass mineral wool, Ecowool Classic POLYTONE® has no nutritional value and therefore it provides no sustenance to harmful micro-organisms.

Surface finish. Matte black glass tissue.

Fire safety properties. Tested in accordance with:

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

Thermal conductivity. Tested in accordance with ASTM C518 at 20°C mean temperature. K-Value : 0.0309 W/mK.

Acoustical performance. Ecowool Classic POLYTONE® acoustic ceiling panel is amongst the most effective acoustic insulation solutions when noise treatment is required. Tested in accordance with ASTM C423-09a and E795-05.

Center Frequency (Hz)						
125	250	500	1000	2000	4000	NRC
0.52	0.41	0.40	0.77	0.74	0.65	0.62

AVAILABLE FORM

Variations

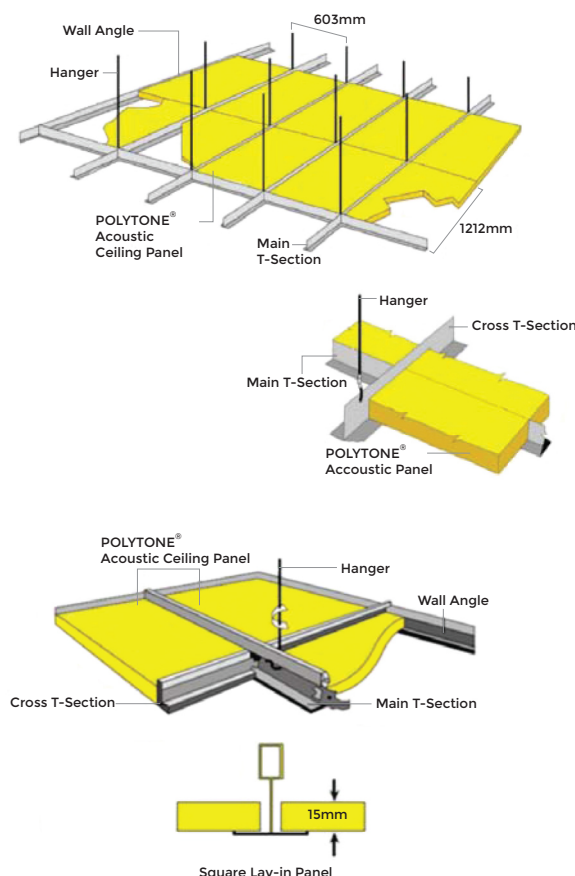
- Square lay in panels are available bare edges faced with printed glass tissue on the front.
- Square lay in panels are available concealed with printed glass tissue on the front, harden and painted edges and white glass tissue facing at the back.

Dimension	Density (kg/m ³)	K-Value (W/m K)	Thickness (mm)
603mm x 1212mm	65.8	0.0309	15mm (straight edge)
595mm x 1195mm			

INSTALLATION

The installation of Ecowool Classic POLYTONE® acoustic panels is part of interior decorating and may only be carried out under controlled humidity and temperature conditions. Installation shall not commence until the building is water tight and dry. Light fittings shall be independently supported, use hold down clips in areas of wind uplift. It is recommended that air grilles be installed in the ceiling to balance air pressure differentials. Please refer to the Acoustic Ceiling Panel Warranty, Installation and Maintenance Information.

Square Lay In / Drop In Panel



SHORT FORM SPECIFICATION

To supply and install Ecowool Classic POLYTONE® acoustic ceiling panel with NRC 0.90 manufactured by PGF Insulation c/w exposed grid system with approved 3mm hanger rod, adjustable butterfly clip, main tees, cross tees and necessary fitting and accessories fixing to steel framing or concrete soffit, including forming opening for grilles, light fittings as according to manufacturer's specification.

WARRANTY

This product is covered by a 10 years product warranty.

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

* Terms & conditions apply.



COLOUR / IMAGE DISCLAIMER

Despite every effort to provide accurate images of each ceiling panel's finishing colour, actual colours and design may vary slightly, due to the different device screen settings, the lighting in the installation location, minor differences in product finishes over time and other factors. PGF Insulation will not accept responsibility for any colour or design differences that are not factory faults. In purchasing from PGF Insulation, you agree to accept the small risk that there may be a subtle variation between the actual colour of the product against what is represented on our sales and marketing collateral due to the factors mentioned above.

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.