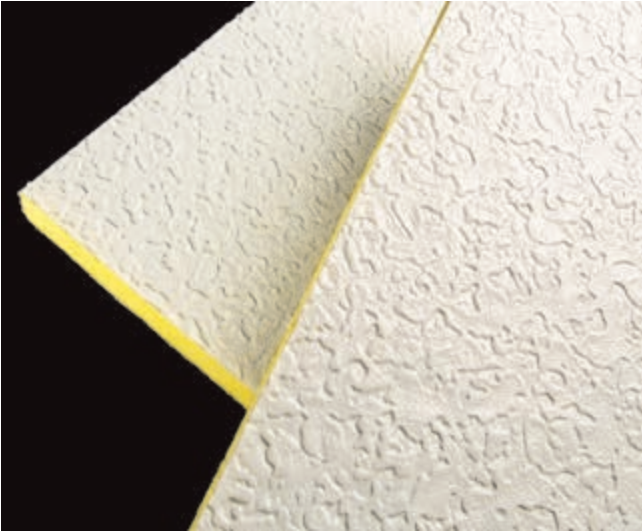


POLYTONE

Glass Mineral Wool Acoustic Ceiling Panel



POLYTONE

Built on ECOWOOL technology, **POLYTONE** glass mineral wool acoustic ceiling panel is manufactured from almost 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.

AREAS OF 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. **POLYTONE** is installed on an exposed suspended grid system, creating a ceiling with a smooth appearance. Each acoustic panel easily demountable.

VARIATIONS

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

DIMENSION

- 603mm x 1212mm / 595mm x 1195mm
- 603mm x 603mm / 595mm x 595mm

THICKNESS

- 15mm

SUSTAINABLE PRODUCT

PGF Insulation is committed to providing environmentally sustainable products. **POLYTONE** is free from CFCs, HCFCs and any other material with ozone depletion potential in their manufacture/composition content, and represent no known threat to the environment. Made from nearly 80% recycled glass and locally sourced raw materials, **ECOWOOL** range of glass mineral wool is perfectly in tune with sustainability and environmental concerns. **POLYTONE** is compliant with most green rating tool ODP Emissions credit requirements. Air quality is maintained with total Volatile Organic Compound (VOC) emissions below quantifiable levels.

ADVANTAGES

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

Corrosiveness. 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.

Alkalinity. pH 9.

Water Vapor Absorption. Absorbs less than 5% by weight. Tested in accordance with ASTM C1104.

Odor Emission. Does not emit any unpleasant odor. Tested in accordance with ASTM C1304.

SURFACE FINISH

Embossed vinyl.

HYGIENIC PROPERTIES

Made of ECOWOOL glass mineral wool, **POLYTONE** has no nutritional value and therefore it provides no sustenance to harmful micro-organisms.

FIRE PROPERTIES

Tested in accordance with (base material) :

- B.S. 476: Part 6 Fire propagation
- B.S. 476: Part 7 Surface spread of flame
- BOMBA Class '0'

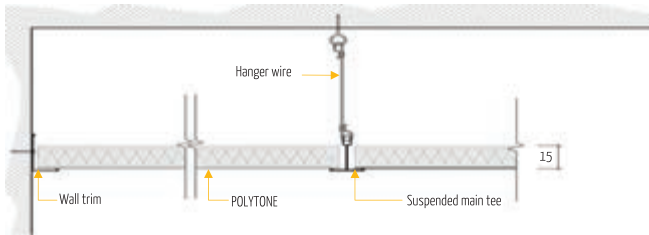


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SAG RESISTANCE

Moist indoor air can cause other panels to visibly sag. **POLYTONE** ceiling panel offers very high resistance to moisture absorption which protects them against warping, buckling and sagging. The panels withstand a permanent ambient RH up to 90% at 30°C without sagging.



THERMAL CONDUCTIVITY

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

ACOUSTICAL PERFORMANCE

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

WARRANTY INFORMATION

10-Year Limited Product Warranty. Please refer to the Acoustic Ceiling Panel Warranty, Installation and Maintenance Information.

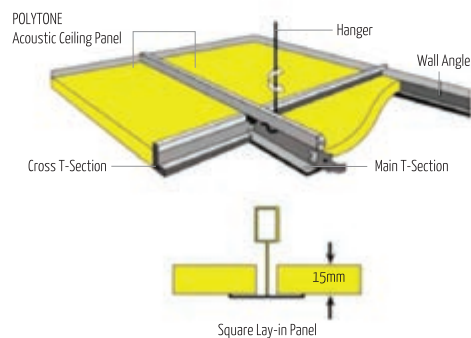
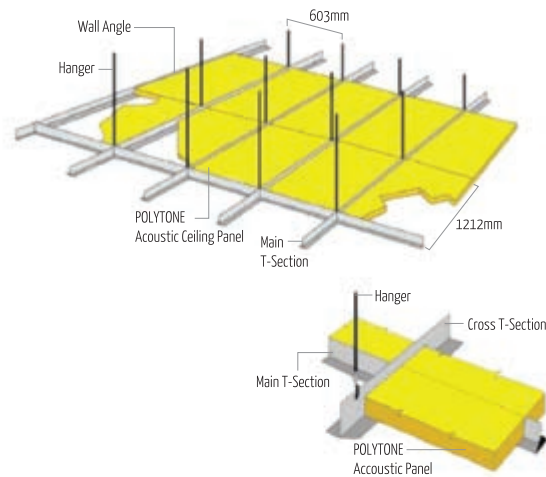
SPECIFICATION

To supply and install **POLYTONE** Acoustic Ceiling Panel with NRC 0.62 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 and the like all in accordance to manufacturer's specification.

INSTALLATION

The installation of **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



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 listed to change without notice. Any references to numerical flame spread or smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions. 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. Version of 1st August 2017.

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