

Data Sheet :

PAA:PolyPanel *Acoustic Panels*

PRODUCT INFORMATION

PolyPanel are widely used in interiors of both public and residential buildings. They are very suitable for hanging ceiling constructions and wall decoration. Due to their natural composition and outstanding features, they are widely used in premises with increased acoustic load, where sound insulation and noise absorption play an important role.

FIRE RESISTANCE

Tested and passed the Early Fire Hazard Property criteria in compliance with AS ISO 9750-2003 and ASTM E-84-17 is deemed a Group 1 material in accordance with BCA, Volume 1.10, Specification A2.4; Fire Hazard Properties. AS/NZS

ASTM E-84-17 : Class A, FS:0 - SD:45

AS ISO 9750-2003 : Classification Group 1-S as required by BCA C1.10

ACOUSTIC PERFORMANCE

PolyPanel is made from 100% polyester is specifically designed to reduce and control reverberated (echo) noise in building interiors. The polyester material is designed to provide strong acoustic performance, with the large surface area of the blades further enhancing their ability to absorb sound. Noise Reduction Coefficient up to NRC 1.06

POLYPANEL FEATURES:

- Excellent acoustic performance
- Light-weight and easy to handle
- Available in a wide range of colours
- Project tailored to suit design intent
- Available in multiple standard sizes
- Safe, non-toxic, non-irritant and non-allergenic
- Highly durable providing long-term stability
- Limitless branding and design with custom cutting
- Impact resistant

APPLICATIONS:

Decorative and functional acoustic panels
 Office dividers and partitions (flat or curved)
 Free-standing or direct fix acoustic panel
 Recording studios, radio and TV studios
 Spa, swimming pools and fitness centers
 Curtain wall infill panels
 Blade walls and ceilings
 Acoustic pin-board surface
 Schools and kindergardens
 Concert halls, theaters, cinema



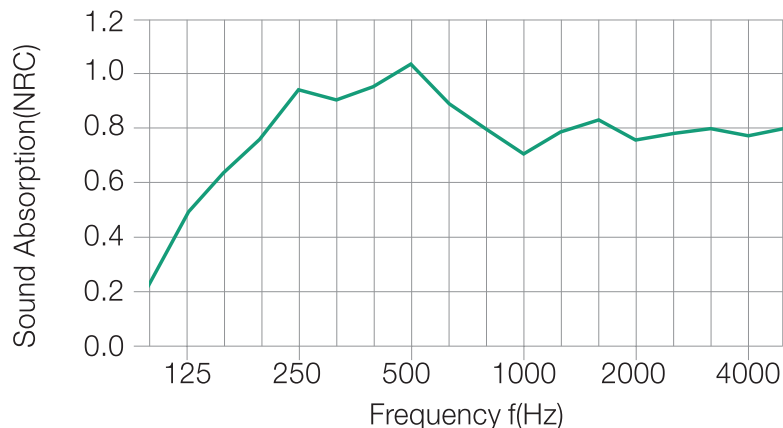
Data Sheet :

PAA:PolyPanel *Acoustic Panels*

ACOUSTIC PERFORMANCE

PolyPanel is specifically designed to reduce and control reverberated noise in building interiors. Noise is absorbed on both the front and back of the panels.

Test Panel size 1220mm X 2440mm X9mm and with 200mm back airspace.



VOC EMISSIONS

PolyPanel has been tested for chemical emission and is classified as low VOC. VOC concentration: 0.01 mg/m³.

MOISTURE ABSORPTION

Polyester fibre when exposed to an atmosphere of 50°C at 90% relative humidity for four days showed moisture absorption of less than 0.03% by weight. Polyester is not affected by moisture, mould or mildew and will not rot or deteriorate in intended use situations.

PATTERN REPEAT

Non-woven. No pattern repeat but product has directional grain. Product may vary from samples and batch to batch due to fibre blending and lay-up which is an inherent feature of this product.

FABRIC CARE

Blot spills from fabric quickly. Wipe with a damp cloth. Avoid rubbing and excessive amounts of water as this will affect the finish. Use carpet or upholstery shampoo as directed. Blot with a clean dry cloth after each application of solution. Custom printed PolyPanel requires the services of a specialist cleaning company.

ENVIRONMENTAL

PolyPanel is committed to best practice through our ISO 9001 and ISO 14001 certified Quality and Environmental Management Systems. PolyPanel products contains a minimum of 65% previously recycled polyester fibre (from PET bottle-flake) ensuring comparatively low embodied energy. Off-cuts and manufacturing waste is re-used or recycled wherever possible. Uncontaminated PolyPanel can be recycled. PolyPanel is manufactured from 100% polyester fibres and does not contain formaldehyde binders. PolyPanel polyester fibres support safer indoor air quality and will not become a potential airborne pollutant.

DISCLAIMER:

Since the use and application of this product is beyond our control we cannot be held responsible for product field performance. The information represented above is the result of our considerable experience with this product but is not to be construed as a performance warranty.



New Factory & Showroom. Tel: +61 8 6885 5300 www.paa.net.au
 60 Belmont Avenue
 Rivervale 6013 Mobile 0433 486 499 Email: enquiries@paa.net.au

