

Engineered for superior sound absorption and balanced acoustic design; Autex APA is a premium sound solution for wall and ceiling applications. Utilising the latest cutting and printing technology, any image or design can be recreated as a unique acoustic detail, custom panel or artwork.

Autex APA is light-weight, semi-rigid, impact resistant and incredibly durable, allowing interior designers to explore new horizons and break established boundaries, whilst achieving high levels of sound absorption.

Autex APA is supplied to site in sheet form that can be cut and framed on site eliminating issues with on-site variations in wall size and shape that have traditionally posed problems for fabric wrapped panels manufactured and finished off-site.

Made from 100% recyclable polyester and manufactured under Autex's ISO 14001 accredited Environmental Management System; Autex APA contains a minimum of 60% post-consumer recycled material (PET bottle-flake).

#### Key Features and Benefits

- Premium acoustic performance
- Offers complete design flexibility with our ability to provide custom colour printing
- Available in 12mm, 25 and 50mm thickness options
- Made from 100% polyester fibre without chemical binders or retardants
- Manufactured using a minimum of 60% already recycled material from post-consumer waste
- Highly durable providing long-term stability and performance
- Safe, non-toxic, non-irritant and non-allergenic
- Resistant to fading
- Light-weight and easy to handle
- ASTM E1338.08 Anti-Fungal testing in progress
- Manufactured under ISO 9001 and ISO 14001 accredited Quality and Environmental Management Systems
- Does not contain any Red List chemicals \*

#### Applications

- High performing acoustic panel for sophisticated commercial interiors
- Premium acoustic surface for framed modular office partition panelling
- Suspended or direct fixed feature in ceilings
- Wallcovering with exceptional absorption of reverberated noise
- Functional acoustic wallcovering for retail and commercial interiors
- A decorative feature with custom cut and custom printing options available

#### Specification:

(Wall/Ceiling) treatment shall be **Autex APA** from thermally bonded polyester containing not less than 60% post-consumer recycled material as manufactured by Autex [www.autexindustries.com](http://www.autexindustries.com)

Panel 1200 x 2400 x ( )mm nom depth. Sound absorption 12mm: Class D, NRC 0.40, 25mm: Class C, NRC 0.70, 50mm Class A, NRC 0.90.

Fire rating ASTM E-84: 12mm: Class A FS:5 - SD:25, 25mm: Class A, FS:0 - SD:10, ISO 9705: Classification: Group 1-S, AS ISO 9705 - 2003: Group 1, EN13501-1:2007+A1:2009: B - s2, d0.

Install as per Autex recommendations. If Autex APA is to be specified for use other than as a ceiling or wallcovering please contact your installation professional or Autex Acoustics UK.

\* Red List chemicals are defined by the United States Environmental Protection Agency (U.S. EPA) and The International Living Future Institute as materials that are harmful to living creatures, including humans. A full list can be found at [www.declareproducts.com](http://www.declareproducts.com)

**Product Name** Autex APA  
**Composition** 100% Polyester Fiber (PET)  
**Panel Dimensions** 1200 x 2400mm  
(+ 5mm/-0mm) (+ 10mm/-0mm)

**Thickness (mm)** 12 | 25 | 50  
**Weight (gsm)** 1200 | 2400 | 4800

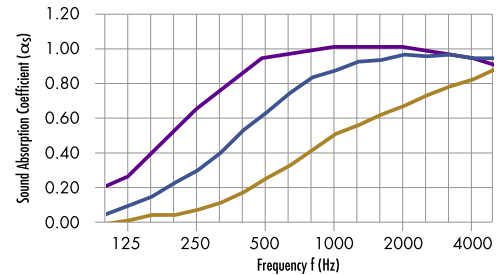
**Installation**  
 Install as per Autex recommendations.

**Light Reflectance**  
 Autex APA is suitable for indoor use only and has been tested to the following standard:  
**ASTM 5036: 83**

**Acoustic Performance**  
 Autex APA is specifically designed to reduce and control reverberated (echo) noise in building interiors.

**Minimum Noise Reduction Coefficient**  
 Autex APA 12mm 0.40  
 Autex APA 25mm 0.70  
 Autex APA 50mm 0.90

**Sound Absorption Coefficient**  
In accordance with ISO 354



Frequency (Hz)	125	250	500	1000	2000	4000	NRC
Autex APA 12	0.00	0.10	0.25	0.50	0.65	0.80	0.40
Autex APA 25	0.10	0.30	0.65	0.85	0.95	0.95	0.70
Autex APA 50	0.25	0.65	0.95	1.00	1.00	0.95	0.90

**Fire Ratings**  
**ASTM E-84:**  
 Autex APA 12mm: Class A FS:5 - SD:25  
 Autex APA 25mm: Class A FS:0 - SD:10  
Report: RJ3297-9R1 and RJ3297-7R1 dated 17th March, 2015

**ISO 9705: 1993**  
 Classification: Group 1-S  
 Smoke Production Rate: <5.0m<sup>2</sup>/s  
 As required by NZBC C/VM2

**AS ISO 9705 - 2003**  
 Classification: Group 1  
 (SMOGRARC): <100m<sup>2</sup>/s<sup>2</sup>  
 As required by BCA C1.10  
Tested 16 May 2012, BRANZ (FI 4871)

**EN13501-1:2007**  
 B - s2, d0  
Report 185157 dated 22nd July, 2009

**VOC Emissions**  
 Autex polyester has been tested for chemical emission (Report: CV080408) and is classified as low VOC. VOC concentration: 0.01 mg/m<sup>3</sup>

**Moisture Absorption**  
 Polyester fiber 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, mold or mildew and will not rot or deteriorate in intended use situations.

**Anti-Fungal**  
 ASTM E1338.08 Anti-Fungal testing in progress.

**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.

**Impact Resistance**  
 Autex APA has been impact resistance tested to EN13964:2004 and meets the criteria of Class 1A; not adversely affected at impact velocities over 16.5m/s.

**Environmental**  
 Autex is committed to best practice through our ISO 9001 and ISO 14001 accredited Quality and Environmental Management Systems.

Autex APA products contains a minimum of 60% previously recycled polyester fiber (from PET bottle-flake) ensuring comparatively low embodied energy. Off-cuts and manufacturing waste is re-used or recycled wherever possible.

Panel is manufactured from 100% polyester fibres and does not contain formaldehyde binders. Autex polyester fibres support safer indoor air quality and will not become a potential airborne pollutant.

**Service**  
 For further information about Autex APA or any other Autex product, please contact your installation professional or Autex NA.