


# INTERIOR ACOUSTICS

# LATTICE

## MANUFACTURERS GUARANTEE

Lattice is manufactured by Autex Industries Ltd and Autex Australia Pty Ltd under an ISO 9001 certified Quality Management System. The product is guaranteed to be free from manufacturing defects and carries a Manufacturer's Guarantee for a period of no less than ten years to meet all of the performance properties stated within this guarantee.

**Product Name** Lattice  
**Description** 100% polyester lightweight semi-rigid panel

AUTEX 	METRIC	IMPERIAL
Thickness	12mm	1/2"
Tolerance	(+/- 6%)	(+/- 6%)
Weight	2300gsm	
Density	192kg/m3	

### COMPOSITION

100% Polyester Fiber from polyethylene terephthalate (PET). Lattice is made from Autex Cube™ which contains a minimum of 45% previously recycled polyester fiber.

### SUITABLE APPLICATIONS

Suspended.

### COLOR FASTNESS TO LIGHT

Lattice is suitable for indoor use only. Light fastness is dependent on use and exposure. Lattice has been evaluated to the following standard:  
 ISO 105-B02:2014  
 Rating: 6 (Highest = 7)

### FIRE RATINGS

Lattice is a value-added product made from Autex Cube™ acoustic panels as the base material. Cube™ (12mm) has been evaluated using the following test methods:

#### ISO 9705: 1993

Classification: Group 1-S  
 Smoke Production Rate: <5.0m2/s  
 As required by NZBC C/VM2

#### AS ISO 9705 - 2003

Classification: Group 1  
 (SMOGRARC): <100m2/s2  
 Assessed using methodology AS ISO 9705 - 2003 in accordance with AS 5637.1:2015, as required by BCA Specification C1.10-4  
 FI 4974 dated 16th September, 2012 and FAR 4055-2 dated 8th October 2013

#### EN13501-1:2007+A1:2009

B - s2, d2  
 WF336911 dated 25th February 2014

#### ASTM E-84-15a

Class A, FS:0 - SD:45  
 RJ4479-2 dated 25th January, 2015

### ACOUSTIC PERFORMANCE

Lattice is specifically designed to reduce and control reverberated (echo) noise in building interiors. For a copy of the full acoustic report please contact your Autex Account Manager.

### VOC EMISSIONS

Autex polyester has been tested for chemical emissions in accordance with ASTM D5116 and is considered as a low VOC product.  
 VOC concentration: 0.009 mg/m<sup>3</sup> (7 days)

### FINISH

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

### PHYSICAL DESCRIPTION / PROPERTIES

Boiling Point: N/A  
 Melting Point: 250°C | 482°F  
 Vapor Pressure: N/A  
 Specific Gravity: Polyester 1.38  
 Flash point: N/A  
 Explosive limits: N/A  
 Solubility in water: Not soluble  
 Alkalinity: pH 7.8  
 Relative Vapor Density: N/A

### CARE AND MAINTENANCE

Maintain in accordance with the Care and Maintenance Guide available for this product.

