

INTERIOR ACOUSTICS

WORKSTATION

MANUFACTURERS GUARANTEE

Workstation 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 Workstation
Description 100% polyester needle punched, thermally bonded panel

ASTM E-84-14
 Class A, FS:0 - SD:10
 R13297-10R1 dated 17th March, 2015 (12mm Workstation)

AUTEX	METRIC		IMPERIAL	
Panel Dimensions	1220mm x 2440mm		4' x 8'	
Tolerance	(+5mm) x (+10mm)		(+0.20") x (+0.40")	
Thickness	6mm	12mm	1/4"	1/2"
Tolerance	(+/- 6%)	(+/- 6%)	(+/- 6%)	(+/- 6%)
Weight	1680gsm	2980gsm	5.57oz/ft ²	9.77oz/ft ²
Density	280kg/m ³	248kg/m ³	17.48pcf	15.48pcf

ACOUSTIC PERFORMANCE

Workstation is specifically designed to reduce and control reverberating noise in building interiors.

Minimum Noise Reduction Coefficient (NRC) 0.20

Acoustic testing to ISO 354. University of Auckland Testing Service
 Workstation 6mm - Test No. T0712 | Workstation 12mm - Test No. T07123

Frequency (Hz)	125	250	500	1000	2000	4000	NRC
6mm Workstation	0.00	0.00	0.05	0.20	0.45	0.70	0.20
6mm Workstation (with 25mm air gap)	0.05	0.15	0.35	0.70	0.95	0.85	0.50
12mm Workstation	0.05	0.10	0.30	0.65	0.90	0.95	0.45
12mm Workstation (with 25mm air gap)	0.05	0.30	0.60	0.95	0.95	0.85	0.70

COMPOSITION

100% Polyester Fibre from polyethylene terephthalate (PET). Workstation contains a minimum of 55% recycled polyester fibre.

SUITABLE APPLICATIONS

Acoustic and pinboard surface for modular office partition panelling. Functional acoustic wallcovering.

COLOUR FASTNESS TO LIGHT

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

FIRE RATINGS

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
 (SMOGR_{Arc}): <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
 FAR 4055-2 dated 8th October, 2013

EN13501-1:2007+A1:2009

B - s1, d2
 Report WF 336911 dated 25th February, 2014 (12mm Workstation)
 Report WF 336913 dated 19th March, 2014 (6mm Workstation)

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/m³ (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 fibre 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
 Vapour 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 Vapour Density: N/A

CARE AND MAINTENANCE

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

