




INTERIOR ACOUSTICS

CASCADE™

MANUFACTURERS GUARANTEE

The Cube™ component of Cascade™ Hanging Screens 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 Cascade™
Description 100% polyester lightweight semi-rigid panel

AUTEX 	METRIC	IMPERIAL
Panel Dimensions	1200mm x 2400mm	47.2" x 94.5"
Thickness	12mm	1/2"
Tolerance	(+/- 6%)	(+/- 6%)

COMPOSITION

100% Polyester Fibre from polyethylene terephthalate (PET). Cascade™ contains a minimum of 45% previously recycled polyester fibre.

SUITABLE APPLICATIONS

Fixed or suspended acoustic partition system.

PACK CONTENTS

- 1 x Cascade Screen
- 1 x Frontier™ Channel
- 2 x Ceiling Connectors
- 2 x 1m Wires
- 2 x Autex Suspension Sliders

Note: Expanding Screens have double the pack contents.

COLOUR FASTNESS TO LIGHT

Cascade is suitable for indoor use only. Light fastness is dependent on use and exposure. Cascade has been evaluated to the following standard:

ISO 105-B02:2014

Rating: 6 (Highest = 7)

FIRE RATINGS

Cascade is a value added product made from Autex Cube as a base material. Cube 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

FAR 4055-2 dated 8th October 2013

BS EN 13501-1:2018

Ceiling applications

Classification: B-s2,d0 (Cube™ 12mm)

Tested using BS EN ISO 11925-2:2020 and BS EN 13823:2020 and classified in accordance with BS EN 13501-1:2018, as required by BS EN 13964:2014.

EUI-20-000268-B

ASTM E-84-15a

Class A, FS:0 - SD:45

RJ4479-2 dated 25th January, 2015

ACOUSTIC PERFORMANCE

Cascade™ is specifically designed to reduce and control reverberated (echo) noise in building interiors. For a copy of the 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/m³ (7 days)

FINISH

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°
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.