

AIRCLEAN

YOUR AIR FILTER MANUFACTURER

P.O. BOX 147,
MAIDSTONE, ME14 2LA.

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sales@airclean.co.uk www.airclean.co.uk

Filter Media

Applications

Three basic types of media are available:

- (a) Reticulated Polyurethane Foam
- (b) Synthetic Fibre
- (c) Glass Fibre

Each can be used in ventilation and air conditioning systems, either as a main filter or as a pre-filter to higher efficiency units.

In pad form, each would normally be used in conjunction with the Pad Frame system described in leaflet AC1/4, but can be supplied in pad, sheet or roll form to fit existing installations or clients own holding frames.



Polyurethane Foam Media (a)

Reticulated (de-membrane) polyurethane foam is available in varying densities designated from 10ppi to 60ppi.(pores per inch).

This washable material can be used in any practical thickness and the range of pore sizes available covers a wide area of efficiencies, particularly since different porosities can be bonded together in tandem to produce the desired efficiency using a graded filtration mechanism.



Flammability ISO3795 mm/ min FMVSS 302
Flame Retardant to FMVSS 302
Vo available upon request.

Below is a table of the most popular types of media, cut pads are also available.

NOMINAL THICKNESS	SHEET SIZE
6mm	1m x 2m
12mm	1m x 2m
19mm	1m x 2m
25mm	1m x 2m
38mm	1m x 2m
19mm Dual Density (12mm of 20ppi and 6mm of 45ppi)	1m x 2m
38mm Dual Density (39mm of 20ppi and 6mm of 45pp)	1m x 2m

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Synthetic Fibre Media (b)

Manufactured from synthetic fibres which when laid produce a range of multi-directional fibrous material of differing weights and thicknesses.

These are available to meet a wide range of filter requirements from coarse to fine, some products being able to withstand a cleaning operation, others being disposable.



Below is a table of the most popular types of media, cut pads are also available.

TYPE	NOMINAL THICKNESS	ROLL SIZE	MAX TEMP.	Grade to EN779
A70	6mm	2m x 40m	100 °C (212 °F)	G2/3
A15/150	6-9mm	2m x 20m	100 °C (212 °F)	G3
A15/350	15mm	2m x 20m	100 °C (212 °F)	G4
A15/500	16mm	2m x 20m	100 °C (212 °F)	F5 +
A290	25mm	2m x 20m	100 °C (212 °F)	G4
A560G	15mm	2m x 20m	100 °C (212 °F)	F5 ++
A1B	25mm	2m x 20m	100 °C (212 °F)	G4
A2B	50mm	2m x 20m	100 °C (212 °F)	G4

+ Spray Booth

++ Spray Booth Ceiling Panel - Polyester backed and impregnated
Flame Retardant to DIN53438 classes F1 & K1

Resistance to Airflow

TYPE	VELOCITY		PRESSURE DROP	
	m/s	ft/min	Pa	"wg
A70	1.5	300	12	0.5
A15/150	1.5	300	20	0.1
A15/350	1.5	300	75	0.30
A15/500	1.5	300	75	0.30
A290	1.5	300	45	0.18
A560G	0.6	120	40	0.16
A1B	1.5	300	45	0.18
A2B	1.5	300	50	0.20

The company reserves the right to change specifications without notice. E&OE

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Glass Fibre Media (c)

This material is produced from a continuously spun glass filament into a graded blanket. A finer laminate baking increases the dust holding capacity and efficiency.

The media is normally supplied coated with a viscous agent, which is applied during the manufacturing process and increases the dust holding capacity and efficiency.

This media is a low efficiency media for use in spray booths and air conditioning systems.



Below is a table of the most popular types and sizes of media, cut pads are available.

ACTUAL	12mm OILED	25mm OILED	50mm OILED	50mm OILED	100mm OILED
WIDTH	180m ROLL	90m ROLL	60m ROLL	20m ROLL	20m ROLL
495mm	NA	Available	Available	Available	Available
597mm	NA	Available	Available	Available	Available
762mm	Available	Available	Available	Available	Available
914mm	NA	Available	Available	Available	Available
1000mm	NA	NA	NA	Available	Available

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