

THE FILTA-MATIX RANGE OF FILTER MEDIA

- * CERTIFIED QUALITY
- * RELIABILITY
- * INDEPENDENTLY TESTED
- * GUARANTEED PERFORMANCE

SYNTHETIC MEDIA

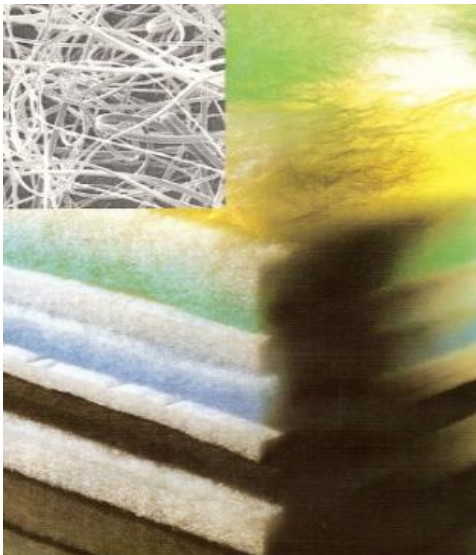
The media is manufactured from pure polyester fibers that are either resin or thermally bonded to form a strong 3-dimensional media with exceptional performance levels.

SYNTHETIC MEDIA CONSTRUCTION

The synthetic media is needled and calendared to provide true progressive density that is so important for optimum dust holding capacity and maintained efficiency levels.

CERTIFIED QUALITY

All Filta-Matix filter media are manufactured to ISO9000 quality standards and have been independently tested in accordance with Ashrae standards for efficiency, dust holding capacity and resistance to airflow.



GLASS FIBER MEDIA CONSTRUCTION

Filta-Matix glass fiber filter media is constructed from continuous filament glass strands bonded with a thermosetting resin to provide a high compression strength that resists collapsing when laden with contaminant. The filter matrix of the media forces the contaminated air to change direction many times as it passes through the media resulting the contaminant being trapped by the fibers. The media structure has a true progressive density allowing the coarse particles to become trapped on the surface whilst the finer particles are trapped within the depth of the media pad. The result of this unique structure is an extraordinary high dust holding capacity.

DRY GLASS FIBER MEDIA

Dry glass fiber media is used as paint arrestor pads to capture overspray from a painting or varnishing spraybooth. In doing so, the exhaust fans are protected from the overspray as is the surrounding environment from being contaminated with paint or varnish residue.

IMPREGNATED "WET" GLASS FIBER MEDIA

Impregnated glass fiber media is coated with a viscous type tackifier that acts as an adhesive to retain the captured particles and prevent them from being discharged to the clean air side.

GLASS FIBER DEMISTER PADS

Glass fiber media is an extremely successful demister pad designed to prevent moisture carry-over in coastal areas or when humidification systems cause water carry-over.

TYPE	U15	U50	U35	FM600g
TECHNICAL DATA ACCORDING TO ASHRAE/EUROVENT 4/5 AND MERV STANDARDS	FILTA-MATIX SYNTHETIC MEDIA IS SUPPLIED IN PRECUT PAD FORM OR IN BULK ROLLS			
NOMINAL MEDIA VELOCITY	1,5m/s	2,5m/s	2,5m/s	0,25m/s
INITIAL PRESSURE LOSS	20 Pa	30 Pa	20 Pa	25 Pa
FINAL PRESSURE LOSS	125 Pa	200 Pa	200 Pa	250 Pa
ARRESTANCE	67%	92%	83%	97%
EFFICIENCY	N/A	N/A	N/A	50%
DUST HOLDING CAPACITY	360 g/m ²	720 g/m ²	600 g/m ²	300 g/m ²
THICKNESS	5mm	18mm	15mm	20mm
INDEPENDENT TESTS				
South African Bureau of Standards	1424 - 1987	1424 - 1987	1424 - 1987	1424 - 1987
Ashrae Standards	52-76 (en 779)	52-76 (en 779)	52-76 (en 779)	52-76 (en 779)
DIN Standard 24185	24185	24185	24185	24185
DIN Standard 53438	53438	53438	53438	53438
EN779	EU2 / G2	EU3 / G3	EU3 / G3	EU5 / F5
MERV	MERV 2	MERV 5	MERV 5	MERV 9



TYPE	FGD Dry Filter Media	FGI Impregnated Media	FGPA Paint Arrestor Media
TECHNICAL DATA ACCORDING TO ASHRAE/EUROVENT 4/5 AND MERV STANDARDS	FILTA-MATIX GLASS FIBER MEDIA IS SUPPLIED IN PRECUT PAD FORM OR IN BULK ROLLS		
NOMINAL MEDIA VELOCITY	2,5 m/s	2,5 m/s	0,7 – 1,5 m/s
INITIAL PRESSURE LOSS	40 Pa	40 Pa	6 – 55 Pa
FINAL PRESSURE LOSS	130 Pa	130 Pa	150 Pa
ARRESTANCE	80%	92%	95%
EFFICIENCY	< 20%	25 - 30%	n/a
DUST HOLDING CAPACITY	380g	>600g	n/a
THICKNESS	60/100 mm	60/100 mm	60mm

Note: Test data based on 60mm media

