

# Roll-O-Mat<sup>®</sup>



## HIGH QUALITY ROLL FILTER MEDIA

### Features and Benefits

- Available in 5 widths
- Suitable for AAF and competitor installations
- High arrestance and dust holding capacity
- Economical in use
- Long lifetime

### Application

Roll-O-Mat media has been developed for use in the AAF automatic roll filter, called Roll-O-Matic.

Roll-O-Mat media are available on cores and can be installed on other manufacturers' automatic roll filter equipment. The rolls operate troublefree and provide superior filter performance.

### Construction

Roll-O-Mat media is made of glass fibre. From the air entering side to the air leaving side the diameter of the fibres becomes smaller and the weave progressively tighter. This construction enables dirt particles to collect throughout the entire depth of the media. It also eliminates face loading and increases both arrestance and dust holding capacity. Roll-O-Mat media has more glass fibres per square meter than competitive brands: more fibres mean more surface area for arresting dirt particles. At those places where the fibres cross, they are glued together with AAF's specially formulated thermoset resin. This results in a highly resilient construction that resists compression in the airstream. Roll-O-Mat media maintains its form and performance throughout its service life.

### Paroil Adhesive

The glass fibres are heavily coated with AAF's exclusive Paroil adhesive. The highly viscous adhesive clings to the fibres and as a result thoroughly saturates the entering dirt particles. Accumulated dirt will not break away and blow downstream. The Paroil adhesive maintains its dirt-trapping characteristics over the life of the media. It is non-toxic and odourless.

### High Tension Strength

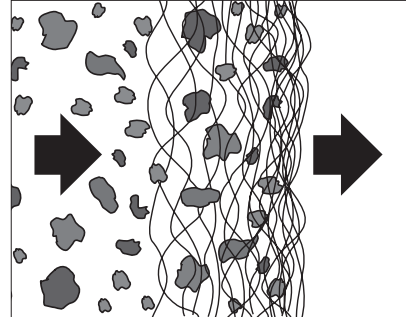
Roll-Filter media must have sufficient strength to maintain its full width under the tension created as the roll advances. If the media "necks" and pulls out of the side channels, unfiltered air bypasses the media. The high tensile strength of the Roll-O-Mat M57 media is the result of glass wire mesh on the air leaving side of the media, running the entire length of the roll.

# Roll-O-Mat<sup>®</sup> Media

## Technical Data

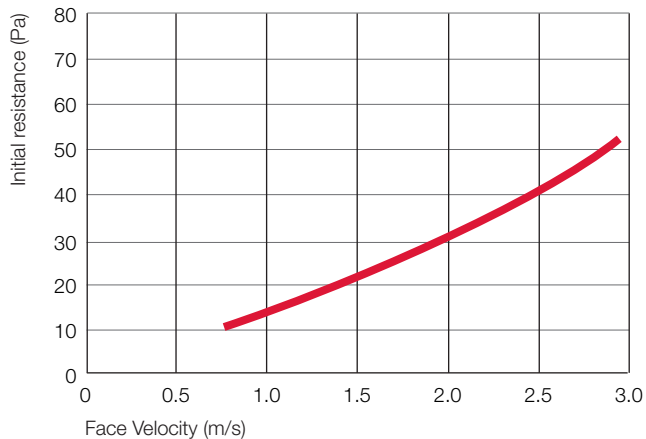
Type	M57
Nominal thickness mm / inch	50 / 2
Rated face velocity (m/s)	2,5
Initial Resistance (Pa)	40
Recomm. final resistance (Pa)*	130
Average arrestance (%)**	80-85
EN779:2012 Classification	G3
Max. Operating Temperature (°C)	80

M94\*If desired, all Roll-O-Mat media may be operated at a higher upper operating resistance, as long as the system design permits this.\*\*All performance data based on EN779:2012 Standard.



Roll-O-Mat media with progressive den-sity construction, allowing dust to be captured over the full depth of the media.

## Resistance vs Face Velocity



M94

## Sizes

Roll-O-Mat rolls are available in 5 widths, suitable for AAF Roll-O-Matic installations. For other manufacturers' roll filter installations, consult your AAF salesoffice or representative.

Size	Width Mandrel (m)	Width Media (m)	Lenght of Roll (m)
3	0,830	~0,9	20
4	1,135	~1,2	20
5	1,439	~1,5	20
6	1,744	~1,8	20
7	2,051	~2,1	20



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