



Better Air is Our Business®

AmericanAirFilter® **Roll-O-Mat®**

Automatic Roll Filter Media

Roll-O-Mat filter media were developed for use in Roll-O-Matic® automatic renewable media air filters, invented by AAF International. Available in roll widths to fit all filter sizes and all manufacturers' filters, Roll-O-Mat media continues to be the most widely used and most dependable brand in the industry.



Roll-O-Mat® Gold **Premium Quality Media**

Roll-O-Mat Gold media provides a combination of high performance and strength.

- **2" thick media of continuous filament fiberglass**
- **Heavy application of Viscosine™ adhesive**
- **Rolls are 65' long**
- **Gold tint on air leaving side**

Roll-O-Mat® Blue **Top Quality Media**

Roll-O-Mat Blue media combines excellent operating performance with low initial purchase price.

- **Available 1" and 2" thick**
- **Continuous filament fiberglass media**
- **Medium application of Viscosine adhesive**
- **Rolls are 65' long**
- **Blue tint on air leaving side**

Roll-O-Mat® Green **Synthetic Media**

Designed for general air filtration applications where a synthetic media is preferred.

- **100% polyester fibers**
- **Available ½" and 1" thick**
- **Medium application of Viscosine adhesive**
- **Rolls are 65' long**
- **Green tint on air leaving side**

Roll-O-Mat® Red **UL Class 1 Media**

Ideal for higher temperature applications (up to 300°F).

- **2" thick media of continuous filament fiberglass**
- **Dry, no adhesive**
- **Rolls are 65' long**
- **Red tint on air leaving side**

Designed for Dependable Performance

High Fiber Content

Roll-O-Mat Gold media has more glass fibers, more than 8½ miles per square foot, than any competitive media. Higher fiber content provides more dirt catching media surface, providing higher arrestance and greater dust holding capacity.

High Compression Strength Extends Filter Life

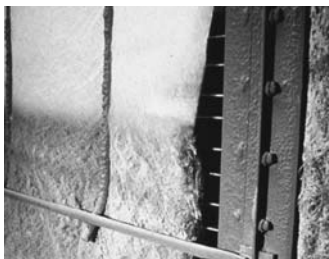
Resin applied to the fiberglass during spinning is cured in an oven to form a strong bond at each fiber intersection. Bonded fibers increase compression strength and prevent faceloading. Air moves throughout the entire thickness of the media utilizing the full cleaning potential of the media.



*Progressive Density
Media Construction*

Progressive Density Increases Arrestance

Fibers on the air entering side are interlaced in an open pattern which becomes progressively tighter. Dirt loads from back to front, taking advantage of the entire thickness of the media. This construction prevents faceloading and increases arrestance and dust holding capacity.



Competitive roll with low tensile strength causes the media to "neck" and pull out of the side channels. Unfiltered air is allowed to bypass the media.

Viscosine™ Retains Dirt

Viscosine adhesive helps retain particles as they impinge on fibers, preventing them from breaking away and flowing downstream.

Glass Wires Prevent Bypass Leakage

Glass wire strands on the air leaving side of the media provide high tensile strength to prevent bypass leakage.

Performance Data

	⁽¹⁾ Rated Initial Resistance (in. w.g.)	⁽¹⁾ Average Arrestance (Steady State)
Rated Media Face Velocity: 500 FPM		
Roll-O-Mat Gold (2" with or without Scrim Backing)	.18	80-85%
Roll-O-Mat Blue (2" with or without Scrim Backing)	.15	75-80%
Roll-O-Mat Blue (1" Scrim Backed)	.13	70-75%
Roll-O-Mat Green (½")	.20	70-75%
Roll-O-Mat Green (1")	.22	70-75%
Roll-O-Mat Red	.16	60-65%

Recommended upper operating resistance is .5 in. w.g. for all models.⁽²⁾

⁽¹⁾ All performance data based on ASHRAE 52.1-1992 test method. Performance tolerances conform to Section 7.4 of ARI Standard 850-93.

⁽²⁾ All Roll-O-Mat media may be operated to a higher upper operating resistance as long as the system design permits.

Roll-O-Mat Gold, Roll-O-Mat Blue, and Roll-O-Mat Green media are UL Class 2. Roll-O-Mat Red media is UL Class 1. Testing was performed according to UL Standard 900 and CAN 4-S111.

Roll-O-Mat® is a registered trademark of AAF-McQuay Inc. in Brazil, Canada, Mexico, Venezuela, and the U.S.
Roll-O-Matic® is a registered trademark of AAF-McQuay Inc. in Canada, Mexico, and the U.S.