



10300 ORMSBY PARK PLACE
SUITE 600
LOUISVILLE KY 40208-1406

P O BOX 35690
LOUISVILLE KY 40232-5690
502.637.0011

Specifications

Number:	SP-425-2
Product:	Roll-O-Mat Green
Effective:	07-15-02
Replaces:	06-16-80
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Specifications for Automatic Roll Filter Media, U.L. Class 2:

1.0 SCOPE

This specification covers replacement media for roll type air filters, which are a component of heating, ventilating and air conditioning system.

2.0 PURPOSE

The purpose of this specification is to establish performance criteria and identify physical properties that are pertinent and necessary for proper filter performance. Conformance to all items in the specifications is the responsibility of the bidder.

3.0 PERFORMANCE CHARACTERISTICS

- 3.1 Filters of the size and air flow capacity shall meet the following rated performance specifications based on the ASHRAE 52.1 test method for Dynamic Procedure for Self-Renewable Devices. Performance tolerance specified in Section 7.4 of the Air-Conditioning and Refrigeration Institute (ARI) Standard 850-93 shall apply to the performance ratings.
- 3.2 The resulting performance of the roll filter media shall not be less than the following minimum performance specifications. Performance to be based on a velocity of 500 FPM and an upper operating resistance at 100% Rated Air Flow of .50 " W.G. and a lower operating resistance at 100% Rated Air Flow of .40 W.G.

	½" Roll-O-Mat Green	1" Roll-O-Mat Green
Initial Resistance (Inches in W.G.)	0.20"	0.22"
Average Arrestance (Steady State) (%)	70 – 75%	70 – 75%
Dust Holding Capacity (DHC) per sq. ft. (grams)	20 grams	27 grams

- 3.3 The filters shall be approved and Listed by Underwriters' Laboratories, Inc. Class 2 when tested according to U. L. Standard 900 and CAN 4-S111.

4.0 BID ATTACHMENTS





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One (1) ASHRAE 52 test report from an independent, commercially operated test lab or a test lab covered by an ISO 9000 quality/business system with documented operating procedures including an audited calibration system. The supplier shall grant permission to the test lab, which conducts the ASHRAE tests to verbally verify the test results to the purchaser on request.

5.0 PHYSICAL CHARACTERISTICS

The media roll shall contain 65' of media at the specified width when unrolled from a clean roll.

The media shall be constructed of high loft polyester fibers bonded with a cured resin. The media shall be coated with an adhesive, and be backed with a heavy duty woven scrim laminated to the air leaving side of the media. The media shall be tinted green on the air leaving side, for proper identification of the installation orientation. The media for AAF core design shall be wound on a metal core.

The replacement roll media must either fit without modification or be adaptable to the existing equipment.

6.0 PACKAGING AND IDENTIFICATION

6.1 Rolls are to be packaged one per carton and the cartons shall be marked with the following items:

6.1.1 The name or trade name of the product.

6.1.2 A distinctive model number, size, product name and UL marking.

7.0 APPROVED INTERNATIONAL QUALITY SYSTEM

7.1 The manufacturer shall have implemented, or be in process of implementing, an approved international quality system based on ISO 9000 at the facility manufacturing this product.

7.1.1 If manufacturer has implemented an approved international quality system, the manufacturer shall make available documentation showing third party certification of same.





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- 7.1.2 If manufacturer is in process of implementing an approved international quality system, manufacturer shall submit evidence illustrating progress towards compliance. Evidence is defined as a timetable for implementation plus one or more operating procedures.

- 7.2 If requested, manufacturer shall make available their procedures describing the monitoring of their Approved Vendors List (AVL).

- 7.3 If requested, manufacturer shall make available a copy of their Corporate Quality Manual.

- 7.4 Manufacturer shall provide evidence of a corporate quality policy which must be signed by an officer of the company.

