



Koch Filter Corporation
Filtration Products Crafted with Pride

Bulletin No. PB-001-B

Synthetic Air Filter Media

A complete line of pads, blankets and bulk rolls



Koch offers nine styles of Synthetic Air Filter Media for use in air filtration systems of all types.

This broad spectrum of products is designed for use in Koch Pad Frames, and is also available in bulk rolls for customers preferring to cut their own pads. Koch Synthetic Air Filter Media is primarily used as a prefilter for more expensive final filters, often extending the life-cycle of these final filters by 50% or more. Other popular applications include gas turbine air intake systems, commercial/ industrial central air handlers, unit ventilators, fan coil units, or any system where fiberglass or other filtering materials are not preferred.

Regardless of system design, Koch offers a Synthetic Air Filter Media to meet the requirement.

Type SS5 is the standard 1/2" media for use as a prefilter in 1" applications. The media is solid white in color and is available in pads or 135' bulk rolls. SS5 is completely dry to the touch. With a nominal loft of 1/2" and a weight of 4 ounces per square yard, SS5 is an excellent media for use in 1" frames and blanket installations.

Type SS10 is an all white, completely dry media consisting of polyester fibers. SS10 is the most versatile uses of any media in the SS series. The pad or blanket has a nominal loft of 1" and a weight of 6 ounces per square yard. This media can be used as a prefilter in a 2" frame or blanket installation where clean air and reliability are paramount. The media is available in pads or 90' bulk rolls.

Type MD-10 is a nominal one inch, specially processed polyester media for 1" applications. This media is an excellent all-polyester **replacement for fiberglass** in service applications or any situation where a polyester media is desirable. MD-10 is dry, light blue in color and has a weight of 6 ounces per square yard. It is available in pads or 90' bulk rolls.

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Corporate Offices

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Type MD-20 is a specially processed polyester media which has the widest range of uses of any synthetic media on the market today. MD-20 is a nominal 1 1/2" inches thick and consists of thousands of tough, durable fibers. Ideal for service applications as a superior substitute for fiberglass, MD-20 is available in pads or 45' bulk rolls. The media is furnished without tackifier and is light blue in color.

Type SPT5 is nominal 1/2" thick airlayed polyester media with a weight of 4 ounces per square yard. The media is white in color with a blue tint on the downstream side. This blue tinted area is treated with a dry tackifier to enhance dust holding capacity. The media is available in pads or 135' bulk rolls. SPT5 is an ideal media for 1" frame or blanket installations where upgraded dust holding capacity is needed.

Type SPT10 is an airlayed polyester media with a nominal thickness of 1" and a weight of 6.8 ounces per square yard. This media has the widest range of uses in the SPT series. SPT10 is available in pads or 90' bulk rolls and is white in color with a blue tint on the downstream side. An excellent media for 2" frames, this media has a dry tackifier on the blue tinted side to enhance media performance.

Type SPT30 has the highest performance possibilities of any media in the SPT series. SPT30 is a 2" thick airlayed polyester colored white with blue tint and dry tackifier applied to the air existing side. With a weight exceeding 11 ounces per square yard, SPT30 is effective in applications where media strength, durability, and dust holding are primary concerns. The media is available in pads or 45' bulk rolls.

Type SPT15/40 is a dual-layered, nominal 1 1/4" media constructed with a combination of 40 denier fibers on the air entering side and 15 denier fibers on the air leaving side. This progressive density media is an excellent prefilter in applications where extremely high dirt loads are present. Type 15/40 is available in pads or 90' bulk rolls.

Type STK10 is a nominal 1/2" needled media which is ideal for use in paint spray booths exhaust systems, air washers and other blanket installations. STK10 is purple and red in color with a weight of 9 ounces per square yard. A major advantage of this specialty media is its ability to be cleaned, washed and reused without losing strength or efficiency.

SUMMARY DESCRIPTIVE DATA

Nominal Style	Thickness	Oz. Per Sq. Yard	Color	Tackified	Scrim	Roll Length	Average Arrestance ¹	Dust Holding Capacity (grams) ¹	Initial Resistance (in. w.g.)	Applicable MERV Rating ¹
SS5	1/2"	4.0	White	No	Available	135'	78%	325	.08	4
SS10	1"	6.0	White	No	Available	90'	85%	215	.14	5
SPT5	1/2"	4.3	Blue/White	Yes	No	135'	80%	340	.10	4
SPT10	1"	6.8	Blue/White	Yes	No	90'	86%	255	.14	6
SPT30	2"	11.0	Blue/White	Yes	No	60'	89%	315	.22	6
SPT15/40	1 1/4"	9.9	White	Yes	No	90'	89%	260	.22	6
MD10	1"	6.0	Blue	No	No	90'	72%	230	.12	3
MD20	1 1/2"	9.0	Blue	No	No	45'	78%	280	.20	4
STK10	1/2"	9.0	Red/Purple	No	No	90'	88%	260	.24	6

Additional product information:

1. All tackified medias utilize a non-oily treatment applied to the downstream side.
2. All Koch Superfine Polyester Medias are U.L. Class 2 approved.
3. SS-5 is available with scrim in 130' roll length.
SS-10 is available with scrim in 90' roll length.

¹ Current ASHRAE Test Methods