H.B. Fuller | Connecting what matters.™

FILTRATION

Product Selection Guide Air Filtration

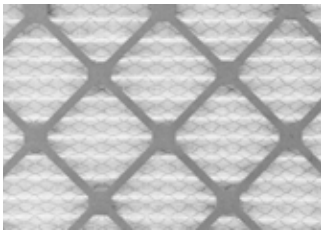
Air filtration applications have been around a very long time, and H.B. Fuller has been supplying adhesive products into this market for many years. We continue to listen to our customers needs and participate in industry organizations so that we develop new and innovative adhesives that will be relevant to evolving air filtration markets.

Our product applications are used around the world and include water-based, two-component polyurethane, hot melt, and hot melt moisture cure adhesives. Whether you are making a product that will produce clean household air, HEPA quality air for an electronics manufacturing environment, H.B. Fuller has an adhesive solution for you.

H.B. Fuller's team of technical and sales experts listen and collaborate to deliver technical know-how and solutions to help you thrive. We are working tirelessly to invent new products to help you achieve greater success.

And we recognize the world's finite resources require us to minimize our impact on the environment while creating value for our customers. To continuously improve our sustainability, we focus on optimizing our facilities' operations and process efficiency and enabling our customers to improve their products and processes through solutions that help achieve their sustainability goals.

HVAC FILTER SEGMENTS AND ADHESIVE APPLICATIONS



Frame Assembly / Perimeter Seal
A chipboard, plastic or metal frame is constructed around the edge of the filter media to provide structure.

Metal to Media Bonding
A metal grid that is applied to filter media to give it structure, often creating a wavy media.

Pleating
Adhesive is applied to the media before pleating. Media is then pleated shortly after adhesive application to lock the desired shape in place.

Pleat Stabilization
Adhesive is used along the top of an already folded pleat to secure the folded shape in place.

Side Stitch Seam Seal
Stitching often on bag filters, need to be sealed for the filter to be effective.

Metal Frame Attachment
Some filters have a metal frame that is adhered to the filter media. Typically for industrial filters.

FINAL PRODUCT QUALITY

Product	Key Quality	Purpose / Description	Technology	Set Speed	Viscosity (mPas)	Viscosity Temperature
HVAC Pleating & Pleat Stabilization						
Swift®therm 3055	White. Low application temperature. Foamable.	For continuous and discontinuous bead applications. Low shrinkage. Good foamability.	Hot melt, EVA	Fast	16,000	130 °C
Lunatack™ AS 301-35	Low application temperature. Foamable.	For continuous and discontinuous bead applications. Flexible. Whitish.	Hot melt, EVA	Fast	22,500	130 °C
Lunatack™ AS 301-52	Filled. White.	Suitable for continuous and discontinuous lines.	Hot melt, EVA	Fast	20,000	130 °C
Swift®therm 9073	Low density for a lower adhesive weight.	High heat resistance. Good tack. Excellent thermal stability.	Hot melt, Polyolefin	Medium	15,500	130 °C
HVAC Potting						
Körapur® 540 & Köracur® TH 650	Low viscosity.	Good flowability. Fast processing time.	2-K Polyurethane	Fast	2,000 (A part)	23 °C
Körapur® 560 & Köracur® TH 650	Medium viscosity.	Good flowability. Fast processing time.	2-K Polyurethane	Fast	7,200 (A part)	23 °C
Körapur® 515 & Köracur® TH 650	Chemically thixotropic.	Good flowability followed by a fast viscosity increase.	2-K Polyurethane	Medium	5,500 (A part)	23 °C
Isapur™ 2080 B7 & Köracur® TH 650	Fire retardant.	Low viscous. Medium to long processing time.	2-K Polyurethane	Long	9,000 (A part)	23 °C
HVAC Frame Assembly						
Swift®therm 7297	Medium open time.	Bonding of pleated pack into cardboard housing.	Hot melt, EVA	Medium	3,400	150 ºC
Swift®therm 9073	Low density for a lower adhesive weight.	High heat resistance. Good tack. Suitable for non-treated PP frames.	Hot melt, Polyolefin	Medium	10,000	140 ºC
Lunamelt™ PS 4015	Long open time.	High cohesion.	Pressure Sensitive HM	Medium	5,400	175 °C
Rakoll 125	Low viscosity. High initial tack.	Good adhesion to difficult surfaces. Good machinability.	Water Based	Slow	5,500	20 °C
HVAC Perimeter Seal						
Swift®therm 9054	Long open time.	Perimeter seal for ABS, PS and PP frames, with no treatment needed.	Hot melt, Polyolefin	Slow	5,700	180 °C
HVAC Metal to Media Bonding						
Ipacoll™ LP 2718	High initial tack.	Good adhesion to difficult surfaces. Good machinability.	Water Based	Slow	7,600	20 °C
HVAC Bag Filters						
Clean Melt™ 7688	Flexible.	Fast setting. For stich sealing bags. Odourless. Good thermal stability.	Hot melt, EVA	Fast	900	175 °C

Download our App to learn more about our bonding solutions for the filter industry.

HVAC-Filter-EU

ABOUT H.B. FULLER

Since 1887, H.B. Fuller has been a leading global adhesives provider focusing on perfecting adhesives, sealants and other specialty chemical products to improve products and lives. H.B. Fuller's commitment to innovation brings together people, products and processes that answer and solve some of the world's biggest challenges. Our reliable, responsive service creates lasting, rewarding connections with customers in electronics, disposable hygiene, health and beauty, transportation, aerospace, clean energy, packaging, construction, woodworking, general industries and other consumer businesses. And, our promise to our people connects them with opportunities to innovate and thrive.

H.B. Fuller

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