



**H.B. Fuller**

Connecting what matters.™

## FILTRATION

# Air Filtration



Air filtration applications have been around a very long time, and H.B. Fuller has been supplying adhesive products into this market from the beginning. 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.

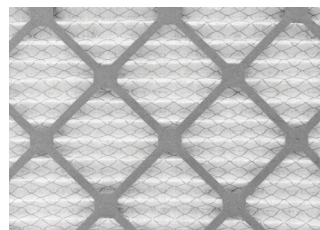
Our product applications are used around the world and include water-based, two-component polyurethane, hot melt, and hot melt moisture cure adhesives. Whether you are making a product that will produce clean household air, HEPA quality air for an electronics manufacturing environment, H.B. Fuller has 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 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
<b>HVAC Pleating</b>						
Swift®therm 3055	Low temperature application	Discontinuous bead application. White. Low shrinkage. Good foamability.	Hot melt EVA	Fast	16,000	130°C
Swift®therm 3054	Good foamability	White, low shrinkage, flexible. Only for continuous lines.	Hot melt EVA	Fast	18,000	130°C
Lunatack™ AS 301-52	Filled	Suitable for continuous and discontinuous lines. Filled. White.	Hot melt EVA	Fast	20,000	130°C
<b>HVAC Pleat Stabilization</b>						
Swift®therm 3054	Fast setting	Fast setting combined with good adhesion to media. White.	Hot melt EVA	Fast	18,000	130°C
<b>HVAC Frame Assembly</b>						
Swift®therm 7297	Medium open time	Bonding of the pleated pack into the cardboard housing.	Hot melt EVA	Medium	3,400	150°C
Lunamelt™ Ps 4015	Long open time	High cohesion. Long open time.	HMP SA	Medium	5,400	175°C
<b>HVAC Perimeter Seal</b>						
Swift®therm 9054	Long open time	Perimeter seal used for ABS, PS and PP frames. No treatment needed for all mentioned plastics.	Hot melt modified APAO	Slow	5,700	180°C
<b>HVAC Bag Filters</b>						
CLEAM MELT™ 7688	Flexible	Fast setting, for stitch sealing bags. Odorless. Good melting stability.	Hot melt EVA	Fast	12,600	150°C
<b>HVAC Potting</b>						
Isapur™ 2072 & HTR 414	Short processing times	Good flowability. Low viscous. Short curing time.	2C PU	Extremely fast	1,300	20°C
Isapur™ 2080 B7 & HTR 414	Good foamability	Low viscous, medium processing time.	2C PU	Fast	13,000	20°C
Icema™ R 141/40 RVB 9 & HTR 7	High viscous reaction	Middle viscous but high viscous on reaction. Easy to apply with roller coater or tooth trowel; short curing time.	2C PU	Fast	8,000	20°C
<b>HVAC Metal to media bonding</b>						
Ipacoll™ LP 2718	High initial tack	Good adhesion to difficult surfaces, high initial tack, good machinability.	WB	Slow	7,600	20°C
<b>Cleaning Agents</b>						
ISA™ Cleaner 204	Excellent cleaning properties, even for partial cured polyurethane	Used as a flushing agent for cleaning the mixing chambers of dynamical stirrers of mixing and dispensing equipment used for the processing of 2-component polyurethane systems.	SB	Liquid. Working temperature: 20°C to 40°C		

## 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.



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