

“We Take The Dust Out of Industry!”™

I 625 Acid Resistant Finish From BGF Industries, Inc.

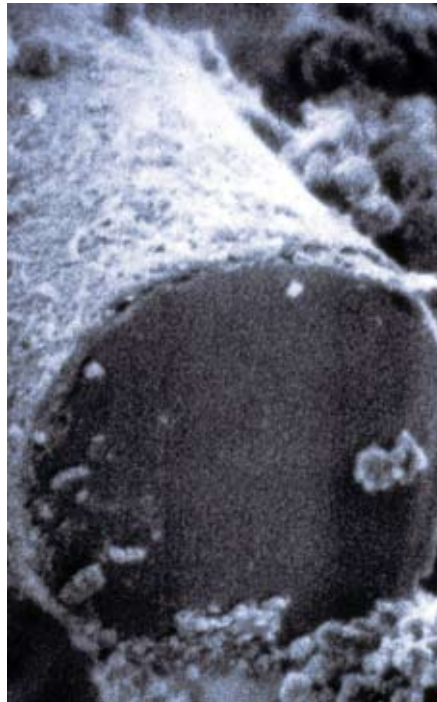
Midwesco® exclusively utilizes BGF Industries' premier filtration grades of woven fiberglass. The success of the fabric is only as good as the coronization and finishing processes employed by the weaver. BGF's I625-Acid Resistant Finish is a proprietary blend of polymers, PTFE, graphite, and silicone.

I625 finish forms a chemical bond with molecules on the surface area of the fiberglass yarns. This complete encapsulation of the yarns will shield the fiberglass from chemical attack. This finish is highly recommended for industries, which have acidic flue gas conditions, such as:

- Utility Coal-Fired Boilers
- Municipal Solid Waste Boilers
- Carbon Black Producers
- Metal Furnaces & Smelters

BGF applies the I625 finish only after the base fiberglass cloth has been thoroughly coronized (heat cleaned). The coronization process is a necessity to remove starches and sizings used in the weaving process.

If any finish, no matter how good and successful, is applied to any cloth that is not coronized, then the starches and sizings are vaporized at 220°F (104°C) while your baghouse is coming online and up to temperature. Thus, compromising the finish applied and the endurance of the filter bag.



Microphotograph of I625 finish
total encapsulation of yarn

Coronization of filtration grade woven fiberglass fabrics should be done by the weaver, not your filter bag supplier! Midwesco® Filter chooses to have all of our fiberglass medias coronized and finished by the weaver, who performs this process with state-of-the-art equipment, which is ISO-9002 certified.

A simple test to compare and verify if your fiberglass filter bag has been made from cloth that has been coronized and employs a totally encapsulated finish. Try this:

- Take a sample 6" x 6" swatch of the fiberglass cloth
- Place several drops of water on the swatch
- Wait and watch

The coronized and properly finished swatch will bead and repel the water droplets for at least 20 minutes. The other swatch, after just a couple of minutes, will not. This simple test indicates that the Midwesco® fiberglass cloth has been properly coronized, which enables the I625 finish to completely encapsulate the yarns.

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See the independent lab analysis below, which will provide further details regarding the differences between Mendardi Criswell's 625-5 and BGF's I-625 acid resistant finishes.

Comparison of Fabric Filters

	Mendardi - Criswell	BGF
Style	625-5	454
Finish	ChemFlex	I-625
Weave	3 x 1 twill	3 x 1 twill
Count W x F	45 x 24	44 x 24
OSY	13.9	13.6
Thickness, Mills	15.5	15.6
LOI%	5.8	4.2
Porosity, CFM	55	45
Breaking Strength, lbs/in.	440 x 228	568 x 308
Mullen Burst, Strength (lbs. gross/net)	586 / 334	750 ±
Water Repellency, min	2	20 +

Comparison of MIT Flex Endurance

	ChemFlex	I-625
Original	5,800 x 1,000	16,000 x 1,600
After Acid Treatment	0 x 100	6,500 x 600
Cond. 4 hrs. @ 500°F + acid resistant	300 x 600	6,800 x 700

Call us today for a free quotation to see how you can starting saving time and money immediately!
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