

SureFlow[®] Supreme

DIFFUSION MEDIA

SureFlow Supreme diffusion media is a nominal 1" thick mat of dense, tightly bonded polyester fibers. The media is treated with a fire retardant and is highly resistant to fiber shedding. SureFlow Supreme media is also treated with a non-migrating tackifier, that is applied throughout the entire depth of the media. This tackifier prevents captured particulate from migrating through the filter and onto freshly painted surfaces. The media is backed with a woven scrim on the air leaving side. This scrim further aids the prevention of fibers and particulate from migrating onto painted surfaces.

This diffusion media is available as cut pads or rolls in widths up to 85". SureFlow Supreme ring panel filters are also available. These filters consist of SureFlow Supreme media on the air leaving side, a high loft polyester media on the air entering side, and a galvanized wire ring heat sealed between the two layers of media.

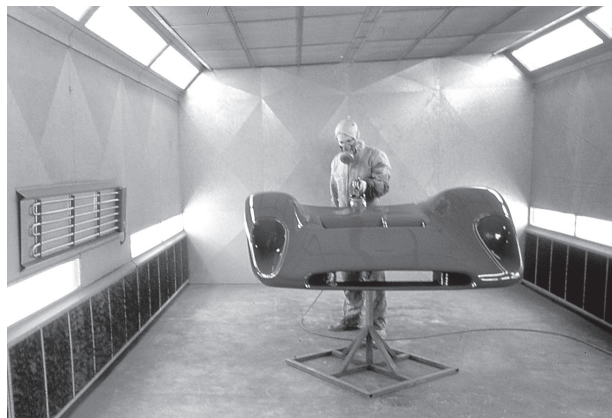
SureFlow Supreme media have an average efficiency of >50% on 0.4 µm particles and an average arrestance of >95%. The recommended final resistance is 1.0" w.g.

Applications

SureFlow Supreme diffusion media is specially designed for use as the final filter in the supply air system of low velocity paint spray booths. It is installed at the inlet to paint booths, downstream from higher efficiency primary filters. Typically installed in the ceiling of the booth, SureFlow Supreme media serves two critical functions necessary for high quality finishes:

- Forms a highly effective final protective barrier, preventing dirt, rust, scale, or other particles from entering through the makeup air system.
- Serves as an air distribution baffle for uniform distribution of airflow through the booth.

This media is designed primarily for paint booth supply air systems operating in the 50 to 150 FPM velocity range. SureFlow Supreme media can operate at temperatures up to 212°F (100°C), and withstand up to 100% relative humidity with peaks of 250°F (121°C).



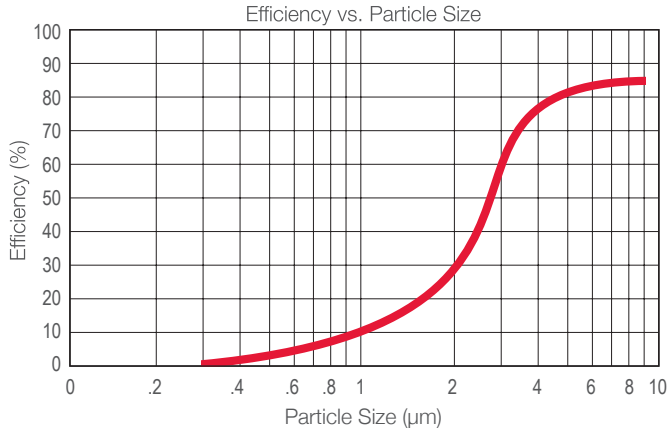
AAF SureFlow[®] Supreme diffusion media installed in the ceiling of this automotive paint booth.



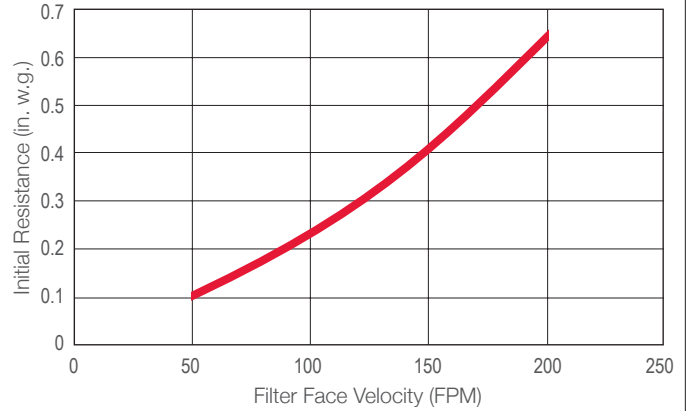
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Performance Data

Composite Minimum Efficiency Curve



Initial Resistance vs. Filter Face Velocity



Underwriters Laboratories Classification

SureFlow Supreme media is UL Classified. Testing was performed according to UL Standard 900.

SureFlow[®] is a registered trademark of AAF International in the U.S.



9920 Corporate Campus Drive, Suite 2200, Louisville, KY 40223-5690
888.223.2003 Fax 888.223.6500 | aafintl.com

AAF has a policy of continuous product research and improvement. We reserve the right to change design and specifications without notice.

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