

DIFFUSION MEDIA FF-560 GX (F5)

- **Final Filtration Barrier** to paint damaging particles from the air intake stream
- **Self extinguishing** according **DIN 53438-F1**
- **100% Adhesive Saturation for Maximum Protection**
- **R0 Rating on Particle Migration**
- **High Temperature Resistant Scrim** up to 180°C
- **Quality Assurance** according EN 779:2002

DESCRIPTION

Fine air filtration media specifically designed to be used in down-draft paint spray booths as final filtration barrier to all paint damaging particles from the intake air stream. This Ceiling Filter or Diffusion Media ensures a uniform air distribution and a laminar flow throughout the spray booth, when applied in auto assembly plants and auto refinishing facilities as well as in the repair after markets.

Synthetic fiber-based filter media developed and manufactured at Filtrair's high-tech media plant based in The Netherlands. The filter media is constructed from selected high performance, nonbreakable fibers in a progressive density multi-layering technique allowing high depth loading to ensure high dust holding capacity with optimal lowest pressure drop performance.

This media is thermally bonded and impregnated in full depth with a special tackifier coating to prevent any release of fibers and migration of paint damaging particles larger than 10 microns due to vibration in the system, even under varying temperature conditions.

FF-560 GX is classified as R0 in accordance with the Filtrair migration test (see back page).

This results in high fractional efficiency combined with a high dust loading capacity, a long filter life as well as low energy and maintenance costs.

HIGH TEMPERATURE SCRIM

The clean air side is particularly dense and smoothed. It is reinforced with a high temperature resistant and supporting woven open-mesh scrim. The temperature resistance of this special scrim is up to 180°C to prevent any discoloring.

FLAMMABILITY RATINGS

FF-560 GX conforms to European Union standards (e.g. DIN53438-F1) and is self extinguishing . It is resistant to evaporated solvents and is manufactured in a 100% silicone-free environment.

QUALITY ASSURANCE

Constant quality is assured by quality control testing according to EN-779:2002. The F5 filter class and the Filtrair Logo with Brand Name are imprinted on the media.

FEATURES AND BENEFITS

- **USED BY MAJOR AUTOMOTIVE MANUFACTURERS** so it can be used with complete confidence.
- **FULL PENETRATION OF SPECIAL ADHESIVE** prevents any release of fibers and migration of particles larger than 10 microns.
- **GRADIENT DENSITY STRUCTURE** ensures a uniform air distribution and laminar flow throughout the spray booth.

APPLICATIONS

This high quality Filtrair Ceiling or Diffusion Media is specially designed to be used in the ceiling of paint spray facilities in auto assembly plants and down draft spray cabins in auto refinishing facilities as well as in paint spray booths of the repair after markets.

This media enhances a uniform air distribution and a laminar airflow. Further, it acts as the final filtration barrier to paint damaging particles from the air stream which is an absolute requirement for high gloss and high-tech performance finishes.



DIFFUSION MEDIA FF-560 GX

PERFORMANCE DATA

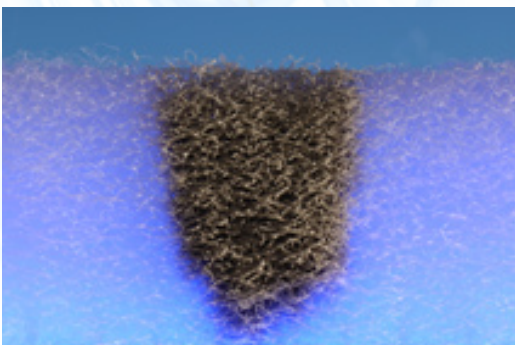
| | |
|--------------------------------------|--------------------------------------|
| Product | FF-560 GX |
| Rated Air Flow | 900 m ³ /h/m ² |
| Rated Air Flow Velocity | 0,25 m/sec |
| Initial Resistance | 26 Pa |
| Final Resistance | 450 Pa |
| Average Efficiency @ 0,4 μm* | 46% |
| Average Arrestance | 96% |
| Dust Holding Capacity | 430 g/m ² |
| Filter Class acc. EN 779:2002 | F5 |

* test aerosol DEHS according EN 779:2002

APPLICATION PARAMETERS

| | |
|------------------------------------|--------------------------|
| Product | FF-560 GX |
| Temperature Resistance | Up to 100°C |
| Temperature Resistance Short Peaks | Up to 180°C |
| Nominal Thickness | 22 mm |
| Relative Humidity | 100 % |
| Standard Roll Sizes | 2 m x 20 m 1 m x 20 m |
| Regenerative / Washable | no |

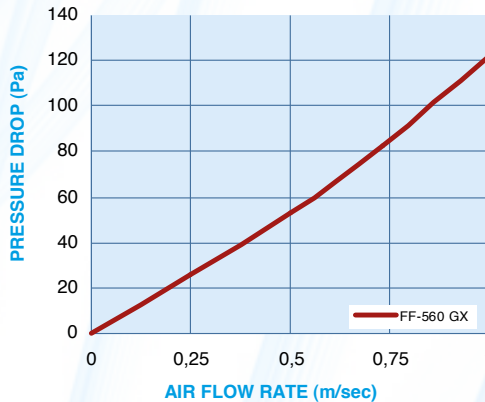
Filtrair Migration Test



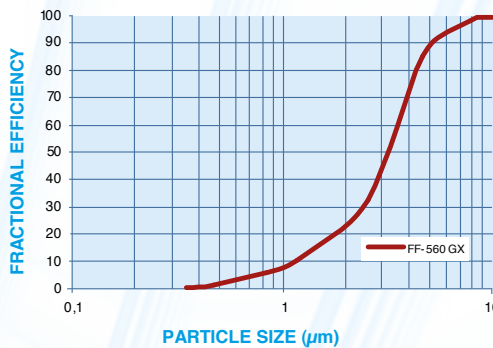
| Filtrair Migration Test Classes | No. of particles(*) |
|---------------------------------|---------------------|
| R0 | < 100 |
| R1 | < 1.000 |
| R2 | < 10.000 |
| R3 | < 100.000 |

(*) Number of particles larger than 10 microns per cubic meter counted on the clean air side

PRESSURE DROP vs AIR FLOW



FRACTIONAL PARTICLE SIZE EFFICIENCY



Filtrair B.V.

De Werf 16
8447 GE Heerenveen
PO Box 611
8440 AP Heerenveen
The Netherlands
P. +31 (0) 513-626 355
F. +31 (0) 513-627 306
E. marketing@filtrair.com
www.filtrair.com



Member of the Filtration group®