viledon®

PROFAIR:
THE CEILING FILTER MAT FOR PROFESSIONAL PAINTWORK

The application

ProfAir is a fine filter for the final intake air filtration of **repair/spray booths.**

The filter medium

- The mat is made of a **high performance non-woven produced inhouse** from elastic, **non-breaking polyester fibers**. This nonwoven is thermally bonded and specially smoothed on the clean air side, in order to prevent individual fibers becoming detached. In addition, the fibers are specially processed to provide an **actively adhesive surface**. All these features **ensure enhanced dependability for the user**.
- The filter medium is progressive in structure, with fiber layers of differing diameters being arranged behind each other in order to ensure that the density of the fiber layers increases towards the clean air side. This optimizes the filter performance and the dust holding capacity, resulting in **longer useful lifetime for the filter** concerned.
- Fire behaviour: Viledon filter media meet the stringent requirements of Fire Class F1 to DIN 53 438 and are thus **self-extinguishing.**

The special features

- The ProfAir ceiling filter mat ensures **high arrestance of particles >10 µm** which might cause visually perceptible surface imperfections. This means dependable protection against paintwork defect.
- In order to ensure **permanent retention of particles** already collected throughout the entire operating life, **each individual fiber** of the filter medium possesses an **actively adhesive surface**.
- ProfAir qualifies for the **„S 0“ class in the Viledon Migration Test** acknowledged throughout the market. For further information on this test, please consult our special brochure „Surface Treatment“.
- ProfAir features **a reinforcing scrim on the clean air side**. This enhances the filter mat's stability and minimizes the risk of damage to the clean air side during installation.
- The filter material **is resistant to solvent vapors** and **free of silicone**.

Technische Daten

Weight, approx.	545 g/m2
Thickness, approx.	22 mm
Filter class to EN 779	M 5
Nominal media velocity	0.25 m/s
Initial pressure drop	30 Pa
Recommended final pressure drop	450 Pa
Average arrestance A_a	96 %
Average effiency E_a	45 %
Dust holding capacity	250 g/m²
Viledon Migration Test Class	S 0
Thermal stability	up to 100 °C, briefly up to 120 °C
Moisture resistance, relative humidity	up to 100 %
Supplied as rolls, useful width / lenght	2,000 mm / 20 m
Supplied as cut pieces	to customer's specification

The numbers given are mean values subject to tolerances due to the normal production fluctuations.
Our explicit written confirmation is always required for the correctness and applicability of the information involved in any particular case.

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