

TEXFILT F5 FILTERMATS

The professional filter mats for gleaming paintwork

- For paintspray and drying booth applications
- Fine synthetic fibres
- Multi-layered structure
- Contains no silicone or other lacquer harming substances



The application

In surface treatment applications, the F5 filter mats are acknowledged as standard equipment.

The main field of application for these fine filters is final intake air filtration in paint spray systems and booths.

Filter mats ensure practically 100% arrestance of particles $>10 \mu\text{m}$ which might cause visually perceptible surface imperfections. This means maximized protection against paintwork defects for the user.

The media additionally features a reinforcing scrim on the clean air side. This enhances the filter mat's stability and reduces the risk of damage to the clean air side during installation.

Material characteristics

The mats are made of high performance nonwovens Produced from elastic, break-resistant polyester fibers. These nonwovens are thermally bonded and specially smoothed on the clean air side, in order to assure excellent fiber bonding.

In addition, the fibers are specially processed to provide an actively adhesive surface.

The filter media are progressive in structure, with layers of differing fiber diameters being arranged behind each other so as to ensure that the density of the fiber layers increases towards the clean air side. This optimizes the defined filter performance and the dust holding capacity, resulting in longer useful lifetime for the filter concerned.

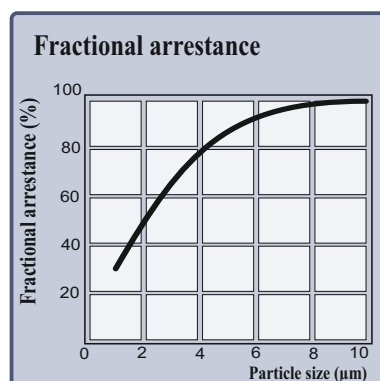
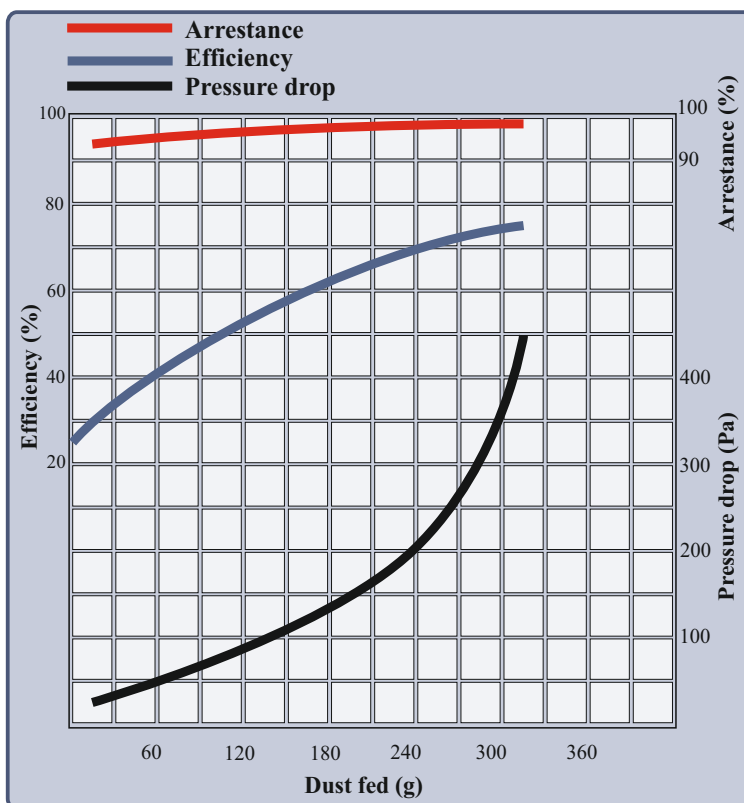
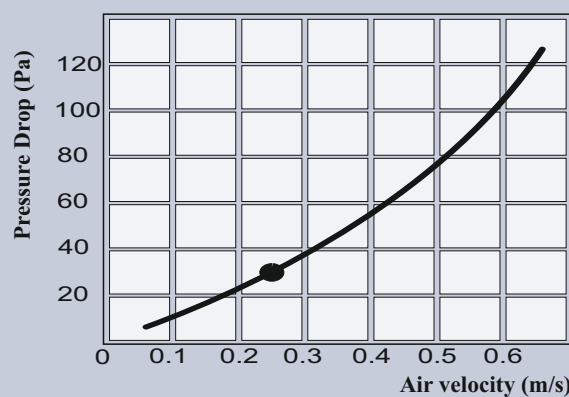
Fire behaviour: the filter media satisfy the stringent requirements of Fire Class F1 according to DIN 53438 and are thus self-extinguishing.

Texfilt F5		
Material		PES
Weight	g/m^2	580
Thickness	mm	25
Thermal stability	$^{\circ}\text{C}$	up to 100
Humidity resistance	%	up to 100
Supplied as rolls width/length	mm/m	2000/20
Supplied as precuts	mm	Pieces cut to customer's specification

Technical filtertest data in accordance with EN 779

Texfilt F5

Average arrestance	A_a	%	99
Average efficiency	E_i	%	55
Nominal velocity	m/s	0,25	
Initial pressure drop	Pa	30	
Recommended final pressure drop	Pa	250	
Dust holding capacity	g/m^2	300	



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