



Fabric Specification & Typical Efficiency

Product	Filtrex Z340 Polyester Felt with Super Glaze (SG) Finish	
Fibre	100% Polyester	
Construction	Scrim supported needlefelt	
Area Weight	350	g/m <sup>2</sup> ± 10%
Air Permeability	270	l/dm <sup>2</sup> / min @ 200 pa WG (DIN 53887)
Thickness	1.1	mm ± 10% (BS 4060)
Finish	Smooth	
Remarks	Tensile Characteristics (DIN 53857) Min Break Load N/5cm Warp - 1100 Weft 960	

Particle Size of Dust	Typical Examples	Approx. Dust Cake Layer Req'd for 99.5% Collection Efficiency	Recommended Felt & Filter Velocities					
			Shaker		Reverse Air		Pulse Jet	
			Air/Cloth Ratio m/min	Area Wt of felt gm/m <sup>2</sup>	Air/Cloth Ratio m/min	Area Wt of felt gm/m <sup>2</sup>	Air/Cloth Ratio m/min	Area Wt of felt gm/m <sup>2</sup>
Coarse 10-200 um	Flour, Grain, Textiles, Paper, Plastics, Fertilisers, Sanding.	250 g/m <sup>2</sup>	2.0-3.0	340	2.0-3.5	400	2.5-3.5	400
Medium 5-100 um	Detergents, Leather, Tobacco, Sugar Shotblast, Refractory, Grinding.	300 g/m <sup>2</sup>	1.5-2.0	340	1.5-2.0	400	2.0-3.0	500
Fine 3-20 um	Cement, Asphalt, Limestone, Chalk, Foundry Dusts, Foodstuffs, Pharmaceuticals.	400 g/m <sup>2</sup>	1.0-1.5	340	1.0-1.5	400/500	1.5-2.0	500/540
Very Fine 0.5-20 um	Pigments, Carbon, Steel Furnace, Metal Oxides, Metal Gouging, Linishing.	500 g/m <sup>2</sup>	0.5-1.0	340	0.5-1.0	500	1.0-1.5	500/540/ 640 + surface finish.
Fume, Smoke & Fine Spherical <0.2-10 um	Aluminium Oxide Ferrosilicon, Smelting Fume.	700 g/m <sup>2</sup> Precoat with Silica or limestone having nom. particle size of 50 um.	-	-	0.5-0.75	500 + surface finish	0.75-1.0	540/640 + surface finish.
Air/Cloth Ratio will depend on bulk density of dust & angle of repose of dust.								