

Oratex Comparison of Technical Data

Technical Data - Mark 3

Material:	Colour – coated polyester fabric
Square Weight Uncoated	ca. 55 - 65 g/m ²
Square Weight Coated	ca. 92 - 122 g/m ² depending on colour
Fabric Weights	Silver 97g/m, Antique 90 g/m
Material Thickness Coated	ca 105 um
Maximum Force: Warp/Weft	mind 750 - 1050 N/50 mm/mind.650 - 950 N/50mm
Elongation at Max Force Warp/Weft	ca 10 - 18% / ca 11 - 20%
Tear strength: Warp/Weft	mind. 18 - 24 N / mind. 16 - 22N
Burst Strength/Burst Elevation	mind. 500 - 700 kPa / ca 14 - 18mm
Air Permeability:	airtight (0.0mm/s)
Shrinkage (170°)	mind. 8 - 12% / mind 8 - 12%
Inflamability/Burning Behaviour:	Not Flammable
Fusion Point:	250 °C
More Characteristics:	Fuel-resistant, can be painted, UV resistant

Comparison of Technical Data referring to the uncoated fabric covering

	Oratex UL 6000	Ceconite 101	Diatex 2000
Material:	colour – coated polyester fabric	colour – coated	colour – coated polyester fabric
Mass per unit area (g):	98.7 g	110.41 g	122.0 g
Maximum Force: warp/weft	1613.3N / 1412.10 N	792.59 N/ 1353.73 N	1386.40 N/ 1032.17N
Elongation at max. force: warp /weft	20.50% / 18.10%	41.14% / 23.34%	15.31% / 10.70%
Tear Strength: warp / weft	80.50 N / 74.30 N	57.30 N / 31.65 N	69.35 N / 72.21 N
Bursting pressure/Bursting distension	>750kPa/>4.80 mm	778.60kPa/24.50mm	835.0 kPa / 19.80mm
Shrinkage warp/weft (170°):	13.5% / 10.0%	13.2% / 15.0%	na / na
Burning behaviour:	incombustible	incombustible	incombustible
Fabric Weights - UL6000	Silver 147 g/m White 142 g/m		