


## Mobi Mat AFX Technical Specifications

PHYSICAL PROPERTIES	
WEIGHT	1.3 kg/m <sup>2</sup>
COMPOSITION	100% Recycled Polyester
Longitudinal view	
MECHANICAL PROPERTIES	
Test method	Lab-TME 2T : adapted from NF G 071-119 or NEQ ISO 5081
Tensile strength	Warp 200 kN/m - 20 t/m
Elongation at break (%)	
Tensile strength	Weft 120 kN/m - 12 t/m
Elongation at break (%)	
Compression	1740 psi - 12 Mpa (N/mm <sup>2</sup> )
CHEMICAL PROPERTIES	
Moisture regain 20°C - 65% HR	0.4%
Acid resistance	Good
Alkali resistance	Good
Solvent resistance	Good
Resistance to hydrocarbons : Kerosene F34, F35. Military lubricants F54. Domestic oil XF10	Good
Resistance to aviation hydraulic fluids (Ex. : Skydrol - HyJet IV A plus (Exxon))	Excellent (no physical deterioration after 18 days of wetting. 100% mechanical characteristics)
UV and weather resistance	Excellent
Micro-organisms resistance	Excellent
Urea and Liquid manure resistance	Excellent
THERMAL PROPERTIES	
Useable temperature	-40°C / + 80°C
Softening temperature	220°C
Melting temperature	260°C
Degradation temperature	300°C
Combustion behaviour	Self-extinguishing upon removal of the flame