

# SupaSoft

## Technical Data Sheet



Thermal	
Thermal Conductivity	0.040 Wm <sup>-1</sup> K <sup>-1</sup>
Density	15.5 kg/m <sup>3</sup>
Specific Heat Capacity	1000 Jkg <sup>-1</sup> K <sup>-1</sup>
Vapour Resistivity	5 MNsg <sup>-1</sup> m <sup>-1</sup>

Fire	
BS 5803-4, Flammability & Smoulder Resistance	Pass
EN11925-2, Reaction to Fire	Pass
Fire Classification	EuroClass E

Physical	
Recoverability and thickness, EN 823	Pass
Dimensional stability to EN 1604	Pass

Hygrothermal						
Porosity	49.5%					
'Surface' water absorption coefficient (kg/m <sup>2</sup> . h0.5)	1.54 (26%)					
'Edge' water absorption coefficient (kg/m <sup>2</sup> . h0.5)	1.26 (29.0%)					
Water Vapour Resistance Factor, $\mu$	(-) Dry: 1.67 (6.1%) (-) Wet: 0.76 (11.7%)					
Vapour sorption:						
Relative Humidity						
Sorption	0%w/w	30%w/w	50%w/w	75%w/w	95%w/w	
Moisture Content	0.00%	1.08%	1.38%	1.56%	1.62%	
Deviation		(3.9%)	(10.0%)	(14.7%)	(9.1%)	
Relative Humidity						
Desorption	95%w/w	75%w/w	50%w/w	30%w/w	0%w/w	
Moisture Content	1.62%	1.62%	1.38%	1.33%	0.00%	
Deviation	(9.1%)	(9.1%)	(2.3%)	(29.5%)		

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<b>Environmental</b>	
GWP (A1-A3) total	0.99 kgCO <sub>2</sub> e R1 Functional Unit
GWP (A1-C4) total	1.28 kgCO <sub>2</sub> e R1 Functional Unit
GWP (A1-D) total	0.27 kgCO <sub>2</sub> e R1 Functional Unit
Recycled Content	>95%
Recyclable	Yes
EPD registration no	S-P-04469
EPD valid to	31/10/26
Manufactured to ISO 14001	Certificate No: 23/3478

<b>Air Quality</b>	
TVOC	9 µg/m <sup>3</sup> @ 3 days, n.d. @ 28 days
Carcinogenic compounds	n.d. @ 3days, n.d. @ 28days
Formaldehyde	<3 µg/m <sup>3</sup> @ 3 days, <3 µg/m <sup>3</sup> @ 28 days

<b>Quality</b>	
Manufactured to ISO 9001	Certificate No: 23/3477

<b>Dimensions</b>	
Thicknesses (+20mm/-0mm)	50 & 100 mm
Widths (+20mm/-10mm)	390 & 590 mm
Roll Length (+5%/-0%)	10 m(50mm) & 5 m(100mm)