

# Depron foam

## Depron Classic

Document: Technical Data Sheet

Product: Depron - White

Parameter	Specification	
<b>General Information:</b>		
Material:	Extruded Polystyrene foam, formed as sheets	
Thickness:	3mm ( $\pm 10\%$ )	6mm ( $\pm 10\%$ )
Colour:	<b>White</b>	<b>White</b>
Size:	1000x700mm ( $\pm 4$ mm x $\pm 2$ mm)	1000x700mm ( $\pm 4$ mm x $\pm 2$ mm)
Full box qty:	40 sheets	20 sheets
Density:	40kg/m <sup>3</sup>	33kg/m <sup>3</sup>
Impact Sound Insulation ( $\Delta I'_w$ ): (in combination with Parquet Floor)	+16dB	+16dB
<b>Thermal Properties</b>		
Thermal Conductivity:	0.0297W/mK	0.0306W/mK
Thermal Resistance:	0.09m <sup>2</sup> K/W	0.17m <sup>2</sup> K/W
U Value (by Calculation)	9.9W/m <sup>2</sup> K	5.1W/m <sup>2</sup> K
Application Temperature:	-60°C / +70°C	-60°C / +70°C
Melting Temperature:	>160°C	>160°C
Thermal Decomposition:	>330°C	>330°C
Ignition Temperature (With Flame Influence):	350-400°C	350-400°C
Ignition Temperature (Without Flame Influence):	450-500°C	450-500°C
<b>Mechanical Properties</b>		
Compressive Stress (@ 10% foam deformation):	0.10MPa	0.15MPa
Tensile Stress (@ break, length direction):	1.30MPa	0.90MPa
Tensile Stress (@ break, transverse direction):	0.70MPa	0.90MPa
Elongation (@ break, length direction):	9%	10%
Elongation (@ break, transverse direction):	12%	12%
<b>Miscellaneous Properties:</b>		
Absorption of water:	< 0.1 Vol%	< 0.1 Vol%
Water Vapour Permeability Factor:	750	525
Water vapour diffusions-equivalent of air-layer thickness ( $=\mu \times s/1000$ )	2.3m	3.1m