



CORAPAN® AL 85

Typical values for the core material of CORAPAN® AL 85:

Properties	Norm	Unit	Value
Nominal density	ISO 845	kg/m ³	85 ±10%
Compressive strength	ISO 844	N/mm ²	0.45
Shear strength	ISO 1922	N/mm ²	0.28
Shear modulus	ASTM C393	N/mm ²	14
Airborne sound insulation index	SIA 181	dB	approx. 28
Thermal conductivity at room temperature	ISO 8301	W/m·K	0.037
Thermal stability		°C	approx. - 40 / + 80

The values in this table are reference values.

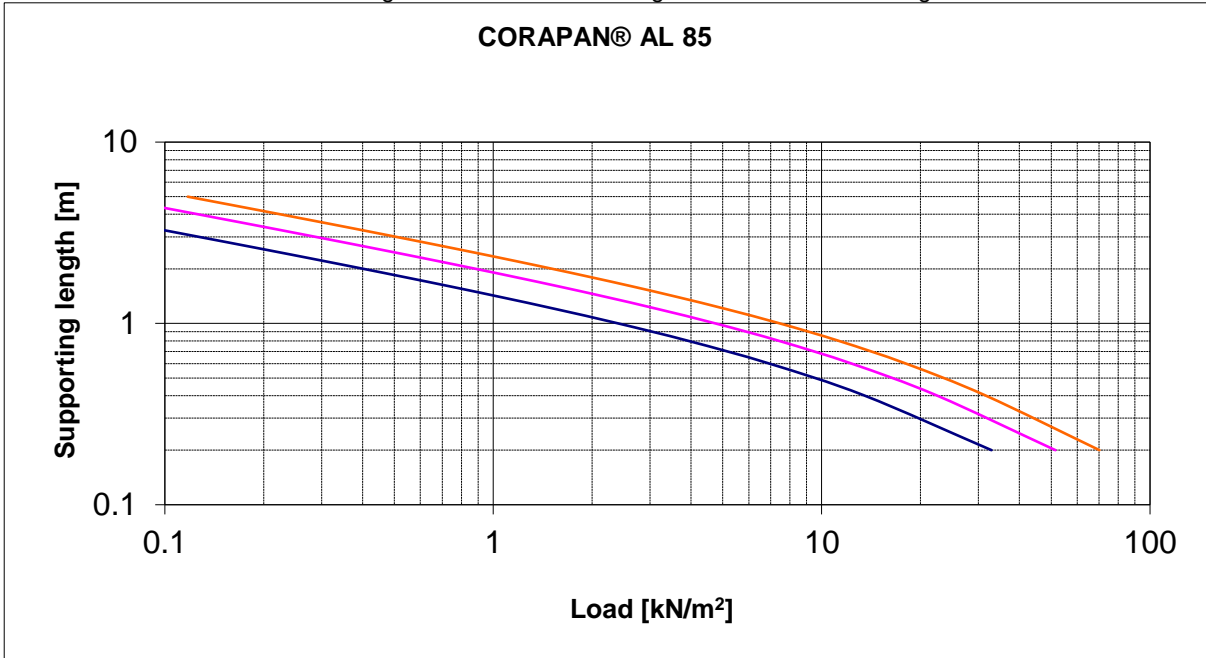
Formats	
Max. formats 2180 x 5980 mm	Tolerances in mm <5000 ± 2.0 >5000 ± 4.0 + 0 / -1
Thickness 10 – 60 mm	
Other dimensions and smaller tolerances on request	

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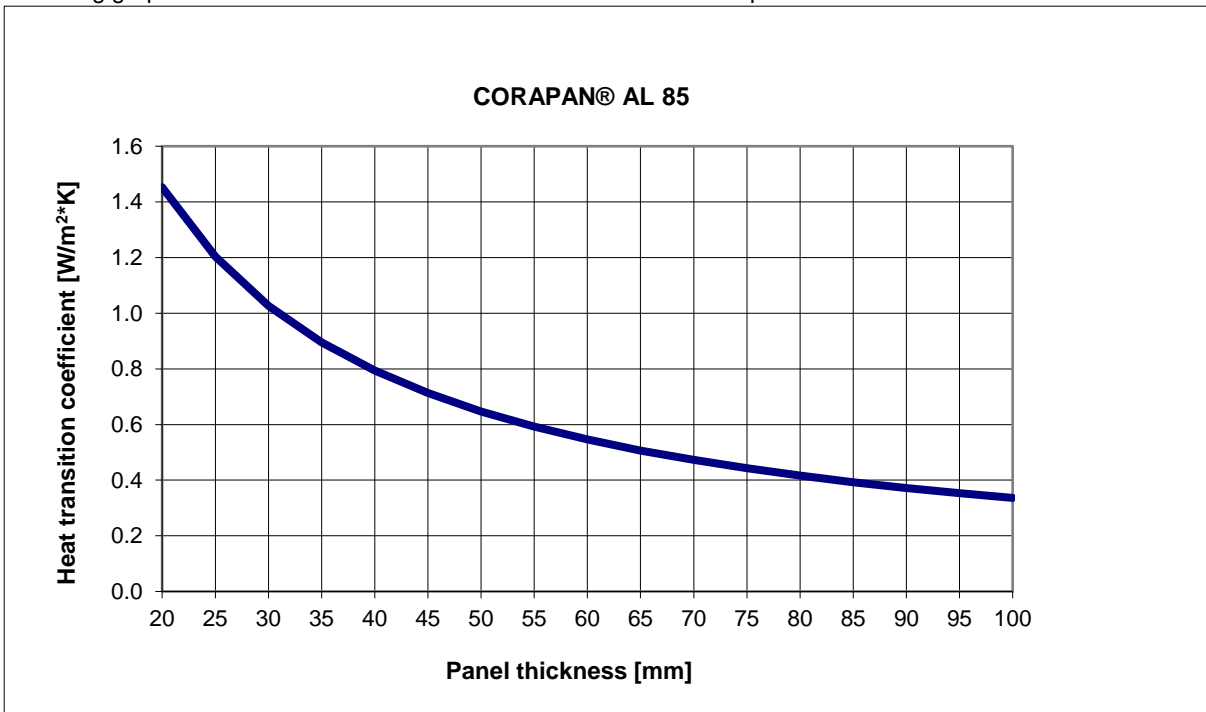
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Following graph shows acceptable loads and spans at a deflection of $f = L/300$.
Skin layers are made of 1mm aluminium sheets

Panel thickness ----- 40mm / 8.7kg/m² ----- 30mm / 7.8kg/m² ----- 20mm / 7.0kg/m²



Following graph shows the heat transition coefficient in function of the panel thickness.



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