



Sandwich panels:

Our sandwich panels are presently limited to following maximum dimensions:

Dimension:	2500 x 1500mm
Thickness total.:	9 - 80mm
Cover sheet thickness:	0,6 - 20mm
Thickness tolerance:	±0,3 - ±0,8mm

Please consider to keep the ratio between core thickness and cover sheet thickness. The foam core can be at most 10-20 times thicker than one cover sheet. The thicker the total thickness, the thicker the cover sheets – At 80mm total thickness the core can just be 12 times thicker than a cover sheet (about 68mm foam + 2x6mm cover sheet). Therefore 0,6 mm cover sheets with 78 mm foam core are not possible without further treatment.

We recommend AlSiMg as foam core and Al-6082 as cover sheet alloy. Of course other core and cover sheet alloys are possible:

Cover sheet	Foam core
AL 5005 (AlMg1)	AlSi7
AL 5005 (AlMg1)	AlSi6Cu6
AL 5005 (AlMg1)	AlSiMg
AL 6060 (AlMgSi0.5)	AlSi6Cu6
AL 6060 (AlMgSi0.5)	AlSiMg
AL 6082 (AlMgSi1)	AlSi6Cu6
AL 6082 (AlMgSi1)	AlSiMg

Our standard material is in AlMgSi/Al-6082 alloy combination; 12,5mm total thickness and 1mm cover sheets is available in short terms.

The delivery time for other alloys and thicknesses will take about 6-8 weeks whereby the minimum order quantity of 400kg is required.

Sandwich panels can be joined as usual Aluminium. Thereby sandwich panels can be welded without any problems to reach higher Dimensions.

Possible joining methods:

- welding (of cover sheets)
- screwing
- riveting
- glueing