



Thin Sheets & Tight Tolerance

Thin sheets

Our standard range of core thickness is ranging from max block thickness down to 3 mm thin sheets. Below 3 mm there are special ways of cutting the blocks which allows sheet thickness to be supplied in as thin as 0,5mm, creating a very flexible sheet for complex shapes.

Tight tolerance finishing

Our standard thickness tolerance is $\pm 0,5\text{mm}$. Tighter tolerance can be achieved by machining the core in different ways depending on customer demand. Tight tolerance (T) is supplied in $\pm 0,25\text{mm}$, but a special finishing option (T10) includes extreme narrow thickness tolerance with a very smooth surface finish with low resin uptake. Down to $\pm 0,1\text{mm}$ can be produced for applications with extreme need for lowest weight and thickness variation of core or the final sandwich panel.

Decreased resin uptake

The smoother surface obtained with the tightest tolerance process translates in lower resin absorption. The surface is more even than a sanded or slitted surface and the cells are less disrupted (see pictures below). Resin uptake savings varies depending on the core type and grade but can be up to 30%.



Typical applications are sports equipment like surfboards and canoes, radomes, drones and gliders etc.



Slitted

T

T10

Example when the surface have been brushed with black ink, the yellow areas are recesses on the surface. The darker surface as the picture of the skived surface, the less resin uptake.

Minimum and maximum thickness per density and grade may apply.

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