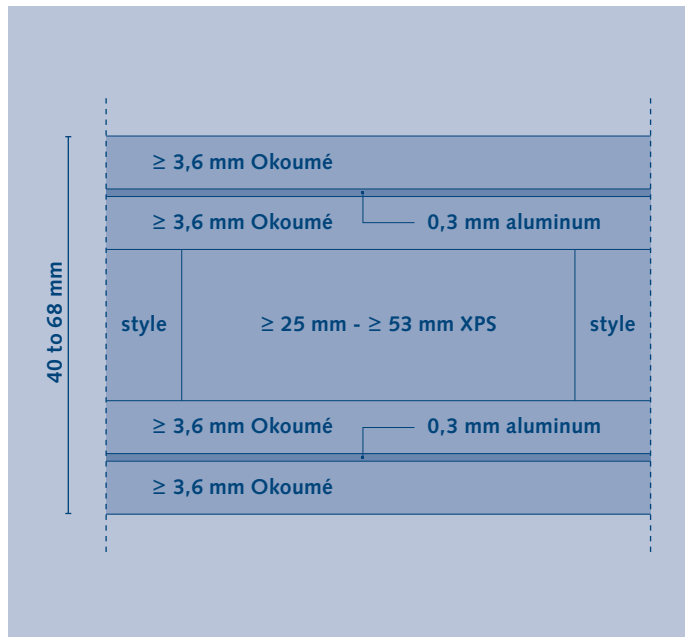


**Cutting and surface groovability**

Groovable AluTherm® panels are able to be reduced on all sides to leave 10 cm of the style and rail width. This means that at least 10 cm of the style and sill width needs to remain. The rails and styles must always have the same width. The top layer of AluTherm® panels is groovable from 1.2 mm to 2.5 mm deep, not deeper nor shallower.

**Screwability and screw advice**

AluTherm® panels are screwable with standard wood screws. Mill Panel recommends for locks and hinges screws of 4.5 x 50 mm. In the application of glazing please use screws and application prescription as indicated in the requirement for glazing AluTherm® panels.

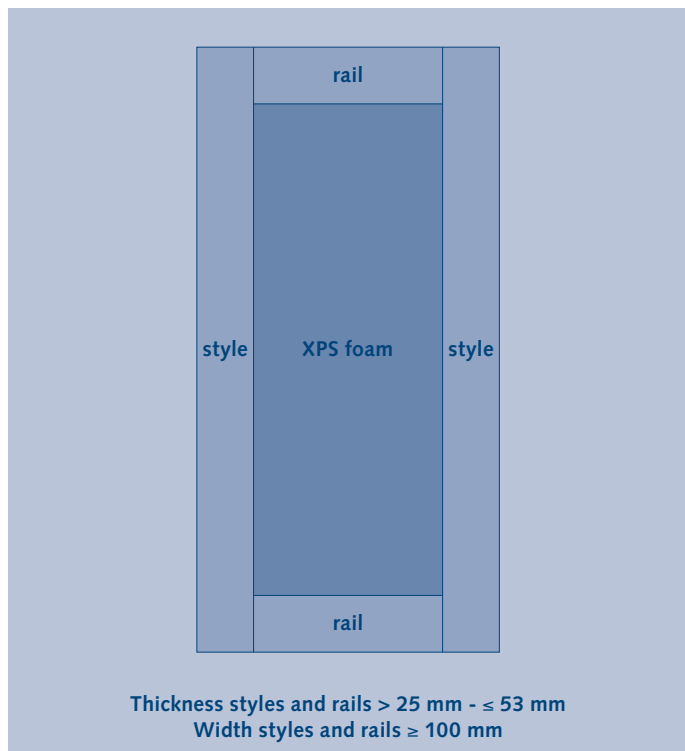


**Definition of AluTherm® door blank**

The composite body is made up of styles and rails which are produced from longitudinal or transverse longitudinal directional Okoume glued. The thickness of styles and rails is at least 25 mm and the width is at least 100 mm.

Between the rails and styles an XPS foam sheet is applied with a density of approximately 30kg/m<sup>3</sup>. The XPS is fully surfaced and D4 glued inbetween the AluPlex® cover plates. The XPS sheet has a minimum thickness of 25 mm and a maximum thickness of 53 mm.

The cover sheets are made up of AluPlex® with a thickness of at least 7.5 mm. The veneers, which are on the outside (= top layer) from the aluminum are (glued) longitudinal-transversally glued together and have a minimum thickness of 3.6 mm. The body thickness varies from 40 mm to 68 mm.



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