

Münchinger energyline 2.0

DURABILITY MEETS THERMAL INSULATION

The consequent further development of our well-tried energyline scantling, in combination with the leading high-performance timber Accoya®.

We offer combinations of most various timber species for this scantling. The outer ply is always made of Accoya®, which meets the requirements of the highest durability class. The desired second timber species is used in the intermediate layer(s) in combination with e-foam. This species is also chosen for the cover ply.

Moreover, we can vary the combination in the different frame thicknesses: IV 68 / IV 78 / IV 90/92



We had the frame IV 92 recalculated for the values specified in the table below.



| Profile structure | Frame thickness | Combination | U _f bottom | U _f top/sides | U _f total |
|--|-----------------|--|----------------------------|----------------------------|----------------------------|
| Frame and sashes with e-foam padding (as shown in the drawing) | IV 92 | Structure of the scantling: Accoya® / spruce e-foam / spruce | 0.93 W/m ² K | 0.83 W/m ² K | 0.86 W/m ² K |
| | | Structure of the scantling: Accoya® / ash e-foam / ash | 1.03 W/m ² K | 0.92 W/m ² K | 0.95 W/m ² K |

Lambda values used in the calculation:

Accoya®: Lambda 0.12 (source: HO.06-4)

Spruce: Lambda 0.11 (source: DIN EN 10077-2)

Ash: Lambda 0.15 (source: Jürgen Sell - Eigenschaften und Kenngrößen von Holzarten)



**The values refer to the mentioned window system.
For other combinations, they are for guidance purposes only.**