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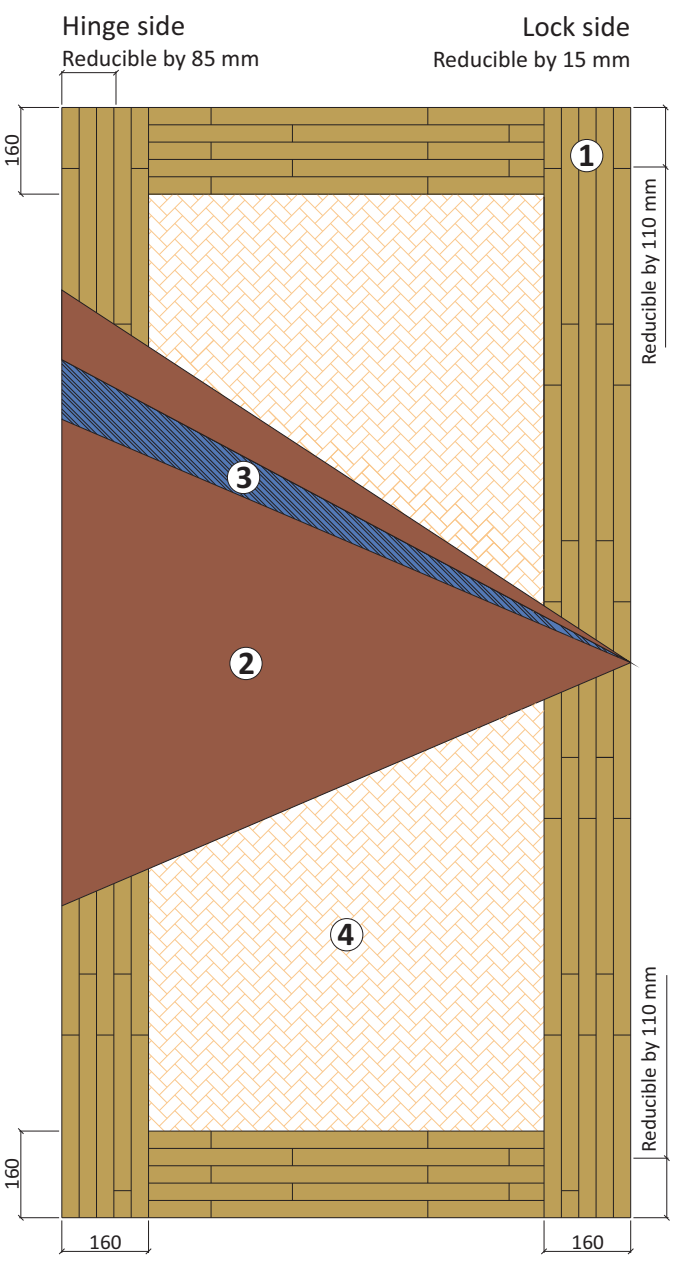
Integral Q* in the thicknesses: 45, 52 mm (special thicknesses possible)

Fire protection EI_2 30-C5-S_{200} acc. to EN 16034

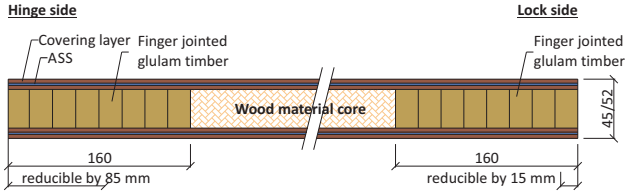
Proved special construction: door blank for **flat entrance doors** tested acc. to DIN EN 1634-1

Tested accord. to DIN EN 1121
Test climate **c**, **d**, **e** from 68 mm class 3 (c), 3 (d), 3 (e)
acc. to DIN EN 12219:2000-06
Burglar resistance RC2/RC3, external door acc. to EN 14351-1

Standard sizes: **Reducible to:**
2150 / 2250 x 950 mm 1930 / 2030 x 850
2150 / 2250 x 1050 mm 1930 / 2030 x 950



Lock side



Integral Q, EI_2 30-C5-S_{200} with test badge in line with the VARIOTEC license contract.

Sound insulation values R_w
(Laboratory value) in dB
Standard Sound
45 mm ⇨ 33 dB 45 mm ⇨ 40 dB*
52 mm ⇨ 34 dB 52 mm ⇨ 41 dB* * only conditionally suitable for cut-outs.

1. Wing frame
4-sided redwood or oak, finger jointed glulam timber frame.
Basically flawless.

2. Covering layers (see at page 22 „Plywood covering layers“ data sheet no. 515) Playwood Exterior glued according to DIN EN 314, class 3, MDF-Exterior with a thickness of 3 mm. **Water-repellent treatment of MDF with VARIOTEC Protekt, data sheet no. 471.** HPL wating acc. to Exterior collection.

Thermal insulation (U_p-Wert W/(m²K))
45 mm **(calculated value)** U_p = ca. 1,98.

3. ASS Stabilisation layers on both sides as vapour barrier gluing stiff against shearing and tension.

4.
1.Core insert
Core of wooden composite acc. to DIN EN 68764, with sound severalfold cramped.

Reducible in height by 220 mm (minimum width of the glulam timber concealed edge band 50 mm), from case to case reducible in width by 85 mm on the hinge side, max. 15 mm on the lock side.
Please take into account ground seal and rabbet design before reducing.

Internal dimensions for cutouts/ 10 mm reserve per side
with width 1050 : 710 mm

PUR gluing of the whole construction.

The functionality, withstand capability, weathering qualities of the surfaces, and all the other characteristics which can be expected of an entry door, depend on the adherence of technical guidelines, coatings on dimensionally stable external parts made of wood, especially on windows and outside doors. Leaflet no. 18 and VOB (German Construction Contract Procedures) part A 10.3 as well as the RAL quality and test requirements for the construction of wooden entry doors RAL GZ 996. The application recommendations for external building elements from the ift-Rosenheim and VFF-Frankfurt am Main, as well as the guidlines of the EN 14351-1:2006+A1:2010 have imperatively to be maintained

***Formerly type Quadro S4**

CE EN 14351-1

Technical modifications excepted!