



Ultrahaus-Effizienzhaus

CE EN 14351-1

KfW 55-135 in the thicknesses: 78-90 mm

- for covering coating
- translucent surfaces in plenty types of wood
- sound insulation

Tested accord. to DIN EN 1121
Test climate **c, d, e** and 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
2150 / 2250 x 1150 mm	1930 / 2030 x 1050

1. Wing frame

- **Lock side:** lamellas in type of wood/colour matching the covering layer. Width approx. 45 mm, glued to inner frame
- **Hinge side:** flawless glulam timber concealed edge band, finger jointed as reduction area, type of wood as lock side
- **Above:** 160 mm flawless glulam timber concealed edge band as reduction area, type of wood as lock side
- **Below:** 160 mm glulam timber concealed edge band according to factory's choice

2. Covering layers (see at page 22 „Plywood covering layers“ data sheet no. 515)

Plywood Exterior glued according to DIN EN 314, class 3, MDF-Exterior with a thickness of 3 and 6 mm. **Water-repellent treatment of MDF with VARIOTEC Protekt, data sheet no. 471.**
HPL coating acc. to Exterior collection.

3. FKV technology (Fibre-plastic composite) as a metal-free reinforcement.

Thermal insulation PUR construction core, free of CFC.

Door thicknesses in mm	U _p -W/(m ² K)	Wood types
78	0,84 W/(m ² K)	pine, spruce,
85	0,77 W/(m ² K)	larch, oak,
90	0,73 W/(m ² K)	meranti

U_p-values for size 2250 x 1050 mm

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

5. Core insulation

PUR construction core, free of CFC, construction biologically tested, recyclable. Jointless and non-positive directly foamed and thus **without thermal bridges.**

6. Internal reinforcement (insert)

Standard: **MFP** (multifunction panel) as a reinforcement for cutouts or as a basis for glazing beads, false edges and glazing beads on both sides. Option: Insert in **plywood** or **MDF** for glazing beads on one side.

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 100 mm only on the **hinge side**. Please take into account ground seal + rabbet design before reducing.

Internal measurements for cutouts/10 mm reserve per side

- with width 950 : 610 mm
- with width 1050 : 710 mm
- with width 1150 : 810 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 guidelines of the EN 14351-1:2006+A1:2010 have imperatively to be maintained.

Technical modifications excepted!

