

Integral L in the thicknesses: 50 to 100 mm (special thicknesses possible)

Fire protection EI₂ 30-C5-S₂₀₀ acc. to EN 16034

Tested special construction: door blank for apartments, outside and special areas



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

Standard sizes:

2470 x 950 mm

2470 x 1050 mm

2470 x 1150 mm

Reducible to:

2250 x 850

2250 x 950

2250 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.

Door thickness in mm	50	60	68
Sound insulation R _w in dB „standard design“	32	33	34
U _p -value in W/(m ² K)	1,58	1,34	1,20
Sound insulation 2 R _w in dB „pergola“	-	40	42
U _p -value in W/(m ² K)	-	1,75	1,6
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

Fire protection core (Kappa), noise insulating, non-toxic, recyclable.

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 60 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.

Note: Do not drill into the blank or frame wood!

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..

