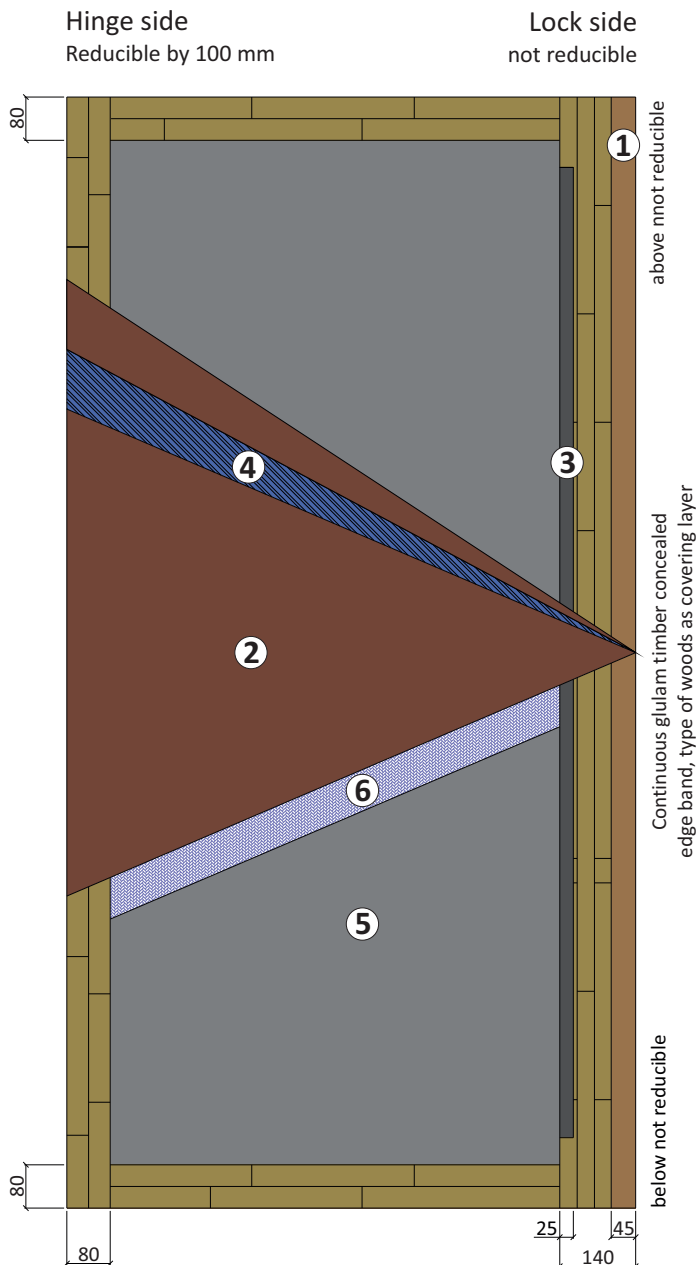


# Vario-VIP Multifunktion in the thickness: 68 mm EN 14351-1

(Sound protection in combination with thermal insulation)

Tested acc. 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



### Custom-made

- Sound protection and thermal insulation individually realisable

#### 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, type of wood as lock side
- **Above:** flawless glulam timber concealed edge band, type of wood as lock side
- **Below:** 80 mm glulam timber concealed edge band acc. 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 wating acc. to Exterior collection.

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

| Sound protection | U <sub>p</sub> value      | VIP thickness |
|------------------|---------------------------|---------------|
| 42 dB            | 0,72 W/(m <sup>2</sup> K) | 15 mm         |
| 37 dB            | 0,61 W/(m <sup>2</sup> K) | 25 mm         |
| 30 dB            | 0,56 W/(m <sup>2</sup> K) | 35 mm         |

U<sub>p</sub> values for size 2250 x 1050 mm

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

#### 5. Core insulation

VIP construction core (VIP=vacuum insulation), construction-biologically tested, recycable, not suitable for subsequent cut-outs/boreholes (**do not drill!**)

#### 6. Insert of sound protection

**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

