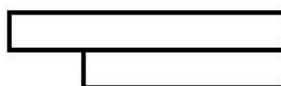


## Rigidur Flooring Element



The Rigidur Flooring Element consists of two factory-joined fibreboards with step rabbet. Rigidur Flooring Elements are undercoat-varnished by factory.

**Application:** The Rigidur Flooring Element is universally applicable as dry screed for reconstruction and renovation purposes, in old and new buildings and for special fire protection needs in the office and administration area.

**Installation:** According to Rigidur installation guide.

### Technical Specifications

Product name	Rigidur Flooring Element	
	20	25
Rigidur assembly	2 x 10 mm	2 x 12,5 mm
Board thickness [mm]	20	25
Measurements (nominal size) [mm]	500 x 1500	
Classification according DIN 4102 approval P-MPA-E-02-594	A2, Non combustible	A2, Non combustible
Tolerance in board thickness [mm]	±1	±1
Area weight approx. [kg/m <sup>2</sup> ]	24,1	30,1
Maximum tolerance in length [mm]	-1/+0	-1/+0
Maximum tolerance in width [mm]	-1/+0	-1/+0
Maximum tolerance in diagonal [mm]	2	2
Surface hardness according to Brinell [N/mm <sup>2</sup> ]	≥35	≥35
Dilatation due to changing of relative humidity by 30% - 65% (20°C) [%]/[%]	0,0015	0,0015
Thermal dilatation [mm/(mK)]	0,015	0,015
Stable moisture content at 20°, 65% relative humidity approx. [%]	1	1
Heat transfer resistance R [m <sup>2</sup> K/W]	0,1	0,125

## Rigidur Flooring Element

### Fire protection and sound insulation values

Product name		Rigidur Flooring Element	
		20	25
Sound insulation Impact noise reduction in dB	Timber joist ceiling	5	5
	Concrete ceiling	16	16
Fire protection Fire resistance classes  (Fire stress of the upper side of the Rigidur Flooring Element according to test certificate)	Rigidur Flooring Element	F30	F60
	Additional: Rigidur H ≥ 10 mm	F60	F90
	Or additional: Rigips levelling bulk material ≥ 20mm	F90	F90

### Authorized point loads and application areas

Product name		Rigidur Flooring Element	
		20	25
Point load in kN		3,0	3,0
Application areas		1 + 2	1 + 2
Point load with additional layer H ≥ 10 mm		4,0	4,0
Application areas with additional layer Rigidur H ≥ 10 mm		1 + 2 + 3	1+2+3

#### Application area definition for Rigidur Flooring Elements

- **Application area 1:** Category in dependence of DIN 1055-3: A1, A2, A3, B1, D1  
e.g. residential houses, corridors in office buildings, offices, day rooms, salesrooms up to 50 m<sup>2</sup> in comparable buildings.
- **Application area 2:** Category in dependence of DIN 1055-3: B2, C1  
e.g. corridors in hotels, old people's homes, kitchens and treatment rooms inclusive operation rooms without heavy equipment, class rooms, coffee bars and restaurants.
- **Application area 3:** Category in dependence of DIN 1055-3: C2, C3, C5, D2, E1  
e.g. corridors in hospitals, class rooms and lecture halls; cinemas, churches, theatres, lecture halls, entrance areas of public buildings and hotels, areas of factories and workshops with an easy operating, areas in retail stores and department stores.