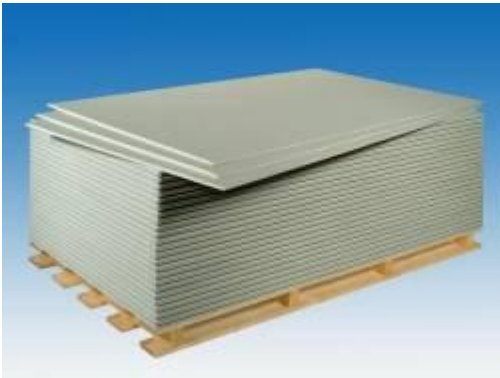


## Rigidur L 12.5



### Characteristics:

The Gypsum Fibreboard Rigidur L 12.5 contains gypsum, paper fibres, perlite and other mineral additives

### Application:

An ideal material for lightweight rigid drywall construction with excellent properties in sound absorption and fire resistance

### Installation:

According to Rigidur installation guide

### Technical specifications

Product name	Rigidur L 12.5
Classification according EN 15283-2	GF-C1-W2
Reaction to fire rating according EN 13501-1	A1
Board thickness [mm]	12.5
Tolerance in board thickness [mm]	± 0,2
Density approx. [kg/m <sup>3</sup> ]	1200
Area weight approx. [kg/m <sup>2</sup> ]	14,4
Maximum tolerance in length [mm]	-1 / +0
Maximum tolerance in width [mm]	-1 / +0
Maximum tolerance in diagonal [mm]	2
Flexural strength [N/mm <sup>2</sup> ]	5,5
Modulus of elasticity [N/mm <sup>2</sup> ]	4050
Surface hardness according to Brinell [N/mm <sup>2</sup> ]	35
Dilatation due to changing of relative humidity by 30% (20°C) [%]	0,025
Thermal conductivity $\lambda$ according EN 12667 [W/(mK)]	0,202
Thermal dilatation [mm/(mK)]	0,015
Stable moisture content at 20°C, 65% relative humidity approx. [%]	1
Water vapour permeability $\mu$	20
Water vapour diffusion-equivalent air layer thickness $S_d$ [m]	0,25
Surface water absorption after 30 minutes [g/m <sup>2</sup> ]	≤ 1500
Thickness dilatation after 24 hours immersion in water [%]	< 2
Content of chemical bounded water [%]	≥ 15

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