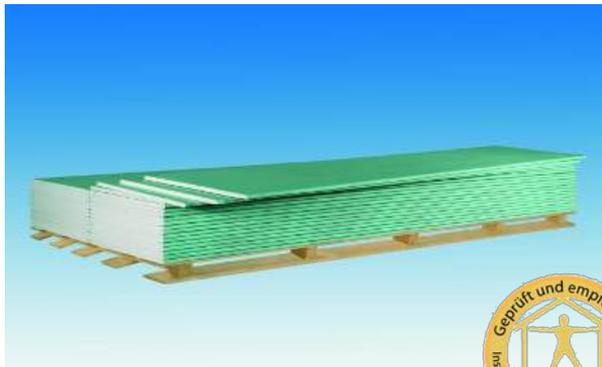


## Rigips Die Leichte RBI 25



- up to 40 % faster installation due to one layer construction
- 20% lower weight makes it ideal for renovation / modernization



- high stability for higher cantilever loads, ideal for installation walls



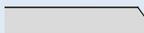
- handy size, very easy to transport



- high durability of constructions
- good ecological balance

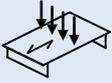
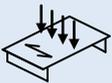
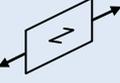
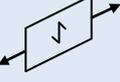
<b>Characteristics</b>	Rigips Die Leichte RBI 25 are made of a special gypsum core encased in cardboard.
<b>Application</b>	Rigips Die Leichte RBI 25 are an ideal solution to build up drywalls, installation walls, suspended ceilings, sloping ceilings and many other applications.
<b>Installation</b>	According to the Rigips application guidance

### Technical data

<b>Type</b>	Gypsum plasterboard type H2	as per DIN EN 520	
	Gypsum plasterboard GKBI	as per DIN 18180	
	non-combustible		
	European Classification: A2-s1, d0 (B)	as per DIN EN 520	
<b>Edge profile</b>	Longitudinal edges	 Vario	
		Designed for filling of joints with Rigips VARIO joint filler, either with or without reinforcing strips.	
	Transverse edges	 SK  SKF	
<b>Dimensions</b>	Nominal thickness	25 [mm]	
	Width x Lengths	For possible dimensions please consult our delivery programme. Special lengths (intermediate sizes, overlength) and sheet cutting possible - delivery time on request.	
	Dimensional tolerances	Thickness	±1.0 [mm]
		Width	+0/-4 [mm]
Length		+0/-5 [mm]	
Squareness: deviation per m width		≤ 2.5 [mm/m]	
		as per DIN EN 520	

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## Rigips Die Leichte RBI 25

Rigips Die Leichte RBI 25					
Plasterboard marking	On rear side	The marking in longitudinal direction in blue contains:			
		<ul style="list-style-type: none"> <li>- RIGIPS Die Leichte 25 RBI</li> <li>- CE-symbol</li> <li>- DIN EN 520: type H2</li> <li>- DIN 18180: GKBI</li> <li>- A2-s1, d0 (B)</li> <li>- Production date and/or shift number</li> </ul>			
	Edge marking	„RIGIPS DIE LEICHTE 25 RBI“ at the longitudinal edge in blue			
Weight	Weight per unit area	≥ 17	[kg/m <sup>2</sup> ]	as per DIN 18180	
	Edge marking	≥ 680	[kg/m <sup>3</sup> ]	as per DIN EN 520	
Strengths	Breaking load	⊥ perpendicular to direction of manufacture in longitudinal direction of the board			as per DIN EN 520 as per DIN 18180
		≥ 1075	⊥ [N]		
	≥ 420	[N]			
	parallel to direction of manufacture in transverse direction of the board			as per DIN EN 520 as per DIN 18180	
	Bending tensile strength	≥ 3.0	⊥ [N/mm <sup>2</sup> ]		
		≥ 1.2	[N/mm <sup>2</sup> ]		
	Modulus of elasticity	≥ 2500	⊥ [N/mm <sup>2</sup> ]		
		≥ 2000	[N/mm <sup>2</sup> ]		
	Compressive strength vertical to the surface	5-10	[N/mm <sup>2</sup> ]		
	Tensile strength	1.8-2.5	[N/mm <sup>2</sup> ]		
		in longitudinal direction of the board			
		1.0-1.2	[N/mm <sup>2</sup> ]		
		in transverse direction of the board			
	Shear strength	NPD	[N]	connection between board and substructure	as per DIN EN 520
	Shear strength	3.0-4.5	[N/mm <sup>2</sup> ]	vertical to surface	
		2.5-4.0	[N/mm <sup>2</sup> ]	parallel to surface	

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## Rigips Die Leichte RBI 25

Heat	Thermal conductivity $\lambda_R$	0.25	[W/(m x K)]	as per DIN EN 520
	Thermal expansion coefficient at 60% RH	0.013-0.020	[mm/(m x K)]	
	Thermal threshold stress (long-term load)	max. 50	[°C]	short-term load 60°C
Humidity	Vapour diffusion resistance factor $\mu$	dry 10 wet 4	[-] [-]	as per DIN EN 520
	Diffusion equivalent air layer thickness $s_d$	dry 0.25 wet 0.10	[m] [m]	as per DIN 4108
	Water absorption for 2 h fully immersed in water	$\leq 10$	[Masse-%]	as per DIN EN 520 as per DIN 18180
	Dilatation due to changing of relative humidity by 30% (20°C)	0.015	[%]	
	Sign	The values given in this product data sheet solely describe the performance characteristics of the products. Rigips-Systems also have far-reaching structural-physical and static properties, which can be found in our system documentation (e.g. Planen und Bauen).		

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