

Product data sheet

Rigidur Flooring Element 45 MW - lamination with mineral wool



Product description: Pre-primed gypsum fibreboards with rebate edges. Extremely hard and smooth surface with mineral wool lamination on the reverse.

Area of application: For the quick creation of dry floor screeds with fire and sound protection requirements, in new buildings and the renovation of old buildings.

							
Glatte Oberfläche	Erhöhte Oberflächenhärte	Hohe Wärmedämmung	Trittschalldämmung	Anwendung Innenraum	Nicht brennbar A2-s1, d0	Elementdicke 45,0 mm 12,5 mm 12,5 mm 20,0 mm	SFZ/MW

Technical specifications

Parameters	Sign	Value	Unit	Certification
Material				
Type of material		gypsum fibre mineral fibre		
Typesetting				
Type		4B		EN 14190
Building material class				
Fire behaviour		A2-s1, d0		EN 13501-1
Edges				
Longitudinal edge		SFZ/MW		
Transverse edge		SFZ/MW		
Element joint		SFZ/MW		
Dimensions				
Structure		25 + 20	mm	EN 13950
Width	w	500	mm	EN 14190
Length	l	1500	mm	EN 14190

The information in this publication is based on our current technical knowledge and experience. In view of the many factors that may affect processing and application of our products, these data do not relieve the users of our products from the responsibility of carrying out their own inspections and tests, as they only represent general guidelines. They neither do imply any legally binding assurance of certain properties or of suitability for a particular application. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and regulations are observed. We reserve the right to modifications in the interests of technical advancement without prior notice.

Product data sheet

Rigidur Flooring Element 45 MW - lamination with mineral wool

Parameters	Sign	Value	Unit	Certification
Tolerances				
Thickness		±1,0	mm	EN 14190
Width		-2/+0	mm	EN 14190
Length		-2/+0	mm	EN 14190
Perpendicularity: deviation per meter of width		≤ 2,0	mm/m	EN 14190
Nominal Weight				
Surface-related mass	≥	33.3	kg/m ²	DIN 18180
Characteristic strength values				
Payload (point load)		2	kN	according to EN 1991-1-1/NA:2010-12
Surface hardness - according to Brinell		35	N/mm ²	EN ISO 6506-1
Dynamic Rigidity		30	MN/m ³	
Heat				
Thermal conductivity		0.04	W/(m·K)	
Thermal resistance	R	0.57	m ² ·K/W	EN 12524
Thermal expansion		0.015	mm/(m·K)	referring to EN 318
Limit load by heat (long-term exposure)		max. 50 (short term up to 60°C)	°C	Gypsum data book
Humidity				
Equilibrium moisture at 20°C, 65% r.h. approx.	%	1-1.3		EN 322
Moisture expansion when the RH changes by 30% (20°C)		0.045	%	EN 318
Moisture expansion per % change in humidity in the range 30% -65% (20°C)		0.0015	%	
Water vapour diffusion resistance factor	μ	19		EN ISO 12572
		1		
Notes				
Storage		Dry Flat and level Shady Cool		
Shelf Life		Unlimited		
Form of delivery		According to Pricelist		
Wast key		17 09 04		

The information in this publication is based on our current technical knowledge and experience. In view of the many factors that may affect processing and application of our products, these data do not relieve the users of our products from the responsibility of carrying out their own inspections and tests, as they only represent general guidelines. They neither do imply any legally binding assurance of certain properties or of suitability for a particular application. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and regulations are observed. We reserve the right to modifications in the interests of technical advancement without prior notice.

Product data sheet

Rigidur Flooring Element 45 MW - lamination with mineral wool

The values listed in this product data sheet only reflect the performance characteristics of the products. In addition, gypsum plaster systems have structural and structural properties, which can be found in our system documentation (e. g. Planen und Bauen).

The information in this publication is based on our current technical knowledge and experience. In view of the many factors that may affect processing and application of our products, these data do not relieve the users of our products from the responsibility of carrying out their own inspections and tests, as they only represent general guidelines. They neither do imply any legally binding assurance of certain properties or of suitability for a particular application. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and regulations are observed. We reserve the right to modifications in the interests of technical advancement without prior notice.