

Product data sheet

Rigidur Flooring Element 20



Product description: Pre-primed gypsum fibreboards with rebate edges. Extremely hard and smooth surface without lamination on the reverse.

Area of application: For fast installation of dry floor screeds with fire protection requirements, in new buildings and the renovation of old buildings. Also to be used in combination with underfloor heating systems.



Technical specifications

Parameters	Sign	Value	Unit	Certification
Material				
Type of material		gypsum fibre		
Typesetting				
Type		4B		EN 14190
Building material class				
Fire behaviour		A2-s1, d0		EN 13501-1
Edges				
Longitudinal edge		SFZ		
Transverse edge		SFZ		
Element joint		SFZ		
Dimensions				
Structure		2 x 10	mm	EN 13950
Width	w	500	mm	EN 14190
Length	l	1500	mm	EN 14190

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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	≥	24.1	kg/m ²	DIN 18180
Characteristic strength values				
Payload (point load)		4	kN	according to EN 1991-1-1/NA:2010-12
Area load		5	kN/m ²	
Surface hardness - according to Brinell		35	N/mm ²	EN ISO 6506-1
Heat				
Thermal conductivity	λ_R	0.35	W/(m·K)	EN ISO 10456
	$\lambda_{10,dry}$	0.202	W/(m·K)	EN 12664
Thermal resistance	R	0.06	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	%	
Thickness swelling after 24h water storage	≤	2	%	referring to EN 317
Water vapour diffusion resistance factor	μ	19		EN ISO 12572
Notes				
Storage		Dry Flat and level Shady Cool		
Shelf Life		Unlimited		
Form of delivery		According to Pricelist		
Wast key		17 08 02		

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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).

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