

Rigidur H Marine 10



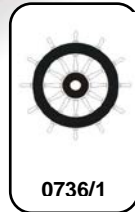
- smooth, hard and extremely robust: Ideal for all decorative topcoats



- made from natural ingredients
- Certified system solutions with Rigidur H: Durable and sustainable

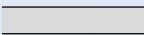
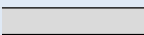


- approved interior ship building material
- Certificate MED 107.088
- Particularly suitable for load attachment to walls



Characteristics	The Gypsum Fibreboard Rigidur H Marine 10 contains gypsum, cellulosic fibres and mineral additives.
Application	An ideal material for dry interior construction for walls and ceilings on ship building. Perfectly suited for abuse-resistant walls and also provides good fire protection.
Installation	According to Rigidur installation guide.

Technical data

Type	GF-C1-I-W2				as per DIN EN 15283-2
	non-combustible European Classification: A1				as per DIN EN 13501-1
	EG-Assement (Modul B)				Certificate No. 107.088
	U.S. Coast Guard No.				Certificate No. 164.109/EC0736/ 107.088
Edges	Longitudinal edges		SK		
	Transverse edges		SK		
Dimensions	Board thickness	10	[mm]		
	Dimensions	available dimensions are given in the product range			
	Dimensional tolerances	Thickness	±0.2	[mm]	as per DIN EN 15283-2
	Width	+0/-2	[mm]		
	Length	+0/-2	[mm]		
	Squareness: deviation per m width	≤ 2.0	[mm/m]		

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.

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Plasterboard marking	On rear side			
	The marking in longitudinal direction in black contains: - Rigidur H Marine 10 - CE- marking - EN 15283-2 GF-C1-I-W2 - non-combustible A1 - 0736/JJ USCG-No.164.109/EC0736/107.088 - Production date and/or shift number			
Weight	Weight per unit area	ca. 11.5	[kg/m ²]	as per DIN EN 15283-2
	Apperent density	ca. 1200	[kg/m ³]	as per DIN EN 15283-2
Strengths	Flexural strength	5.5	[N/mm ²]	as per DIN EN 15283-2
	Modulus of elasticity	3600	[N/mm ²]	as per DIN EN 15283-2
	Surface hardness as per Brinell	35	[N/mm ²]	as per DIN EN ISO 6506-1
Heat	Thermal conductivity λ_R $\lambda_{10,dry}$	0.350 0.202	[W/(m x K)]	as per DIN EN 12667
	Thermal dilatation	0.015	[mm/(m x K)]	referring to DIN EN 318
	Thermal threshold stress (long-term load)	max. 50	[°C]	short-term load 60°C
Humidity	Water vapour permeability μ	19	[-]	as per DIN EN ISO 12572
	Water vapour diffusion-equivalent air layer thickness s_d	0.19	[m]	as per DIN EN ISO 12572
	Thickness dilatation after 24h immersion in water	≤ 2	[%]	referring to DIN EN 317
	Dilatation due to changing of relative humidity by 30% (20°C)	0.045	[%]	as per DIN EN 318
	Stable moisture content at 20°C, 65% relative humidity	1-1.3	[%]	as per DIN EN 322
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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