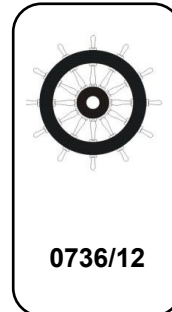
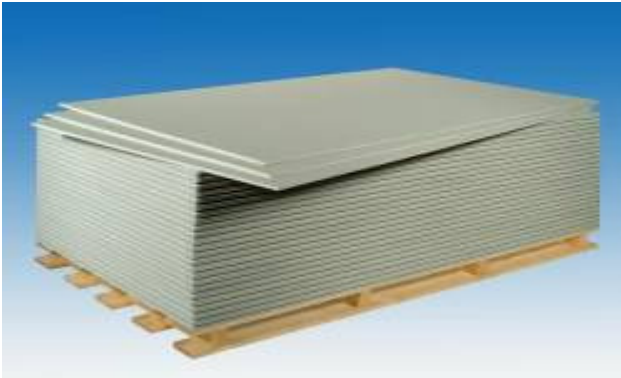


Rigidur H Marine 12,5



Characteristics	The Gypsum Fibreboard Rigidur H Marine 12,5 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 specifications

Classification	GF-C1-I-W2		as per DIN EN 15283-2
Reaction to fire rating	A2-s1,d0 non-combustible		as per DIN EN 13501-1
EG-Assement (Module B)	Certificate-No. 107.088		
U.S. Coast Guard No.	164.109/EC0736/ 107.088		
Board thickness	12,5	[mm]	as per DIN EN 15283-2
Tolerance in board thickness	±0,2	[mm]	as per DIN EN 15283-2
Density approx.	1200	[kg/m ³]	as per DIN EN 15283-2
Area weight approx.	14,4	[kg/m ²]	as per DIN EN 15283-2
Maximum tolerance in length	+0/-1	[mm]	as per DIN EN 15283-2
Maximum tolerance in width	+0/-1	[mm]	as per DIN EN 15283-2
Maximum tolerance in diagonal	≤ 2	[mm]	as per DIN EN 15283-2
Flexural strength	5,8	[N/mm ²]	as per DIN EN 15283-2
Modulus of elasticity	4050	[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
Dilatation due to changing of relative humidity by 30% (20°C)	0,045	[%]	as per DIN EN 318

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Rigidur H Marine 12,5

Thermal conductivity $\lambda_{10, trocken}$ λ_R	0,202 0,350	[W/(m x K)]	as per DIN EN 12667
Thermal dilatation	0,015	[mm/(m x K)]	referring to DIN EN 318
Stable moisture content at 20°C, 65% relative humidity approx.	1-1,3	[%]	as per DIN EN 322
Water vapour permeability μ	19		as per DIN EN ISO 12527
Water vapour diffusion-equivalent air layer thickness s_d	0,24	[m]	as per DIN EN ISO 12527
Surface water absorption after 30 minutes	≤ 1500	[g/m ²]	as per DIN EN 15283-2
Thickness dilatation after 24 hours immersion in water	< 2	[%]	as per DIN EN 317

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