Rigips Feuerschutzplatte RF 12,5

- flexible and space saving
- individual room layout

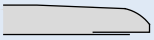
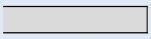
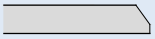
- extended durability
- excellent ecobalance

- agreeable inside air humidity
- recommended by the IBR Rosenheim

- cost-effective due to short construction time
- no long drying times

Characteristics	Rigips Feuerschutzplatten RF 12,5 (fire protection boards) are made of a special, reinforced gypsum core encased in cardboard. Therefore, they are especially suited for use in fire protection constructions.
Application	Rigips Feuerschutzplatten RF 12,5 (fire protection boards) are an ideal solution to build up drywalls, installation walls, suspended ceilings, sloping ceilings and many other applications.
Installation	According to the Rigips application guidance

Technical data

Type	Gypsum plasterboard type DF Gypsum plasterboard GKF				as per DIN EN 520 as per DIN 18180
	non-combustible European Classification: A2-s1, d0 (B)				as per DIN EN 520
Edge profile	Longitudinal edges		Vario		
		Designed for filling of joints with Rigips VARIO joint filler, either with or without reinforcing strips.			
	Transverse edges		SK		SKF
Dimensions	Nominal thickness	12.5	[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 Width Length Squareness: deviation per m width	±0.5 +0/-4 +0/-5 ≤ 2.5	[mm] [mm] [mm] [mm/m]	as per DIN EN 520

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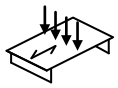
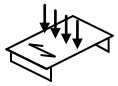
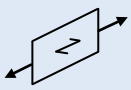
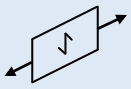
Plasterboard marking	On rear side	The marking in longitudinal direction in red contains: - RIGIPS Feuerschutzplatte RF - CE-symbol - DIN EN 520: type DF - DIN 18180: GKF - A2-s1, d0 (B) - Production date and/or shift number Generally, together with the lettering, a row of dots mark he board centre within a strip of ca. 5 cm width (position of the metal stud sections for walls).			
	On front side	To ease installation, the board centre is marked with the letters RF which are 3-5mm high and located at a distance of about 250 mm (screw spacing) from each other. The position tolerance of the marking from the board centre is ± 2 cm max.			
	Edge marking	„RIGIPS VARIO 12,5“ at the longitudinal edge in red			
Weight	Weight per unit area	≥ 10	[kg/m^2]		as per DIN 18180
	Apperent densitiy	≥ 800	[kg/m^3]		as per DIN EN 520
Strengths	Breaking load	⊥ perpendicular to direction of manufacture in longitudinal direction of the board ≥ 610 ⊥ [N] ≥ 210 ‖ [N] ‖ parallel to direction of manufacture in transverse direction of the board	 		as per DIN EN 520 as per DIN 18180 as per DIN EN 520 as per DIN 18180
	Improved core cohesion at high temperature	passed			as per DIN EN 520
	Bending tensile strength	≥ 6.8 ≥ 2.4	⊥ [N/mm^2] ‖ [N/mm^2]		
	Modulus of elasticity	≥ 2800 ≥ 2200	⊥ [N/mm^2] ‖ [N/mm^2]		as per DIN 18180 as per DIN 18180
	Compressive strength vertical to the surface	5-10	[N/mm^2]		
	Tensile strength	1.8-2.5 in longitudinal direction of the board 1.0-1.2 in transverse direction of the board	[N/mm^2] [N/mm^2]	 	
	Shear strength	730	[N]	connection between board and substructure	as per DIN EN 520
	Shear strength	3.0-4.5 2.5-4.0	[N/mm^2] [N/mm^2]	vertical to surface parallel to surface	

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Heat	Thermal conductivity λ_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 µ	dry 10 wet 4	[–] [–]		as per DIN EN 520
	Diffusion equivalent air layer thickness s_d	dry 0.13 wet 0.05	[m] [m]		as per DIN 4108
	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).				