



Technical properties of ROWMAT BOARD

EN 13164

Weight of ROWMAT BOARD (GRAMMAR)

Property	Standard/Norm	Weight/m ²
grammare(tol.:+/-10%)		
ROWMAT BOARD RM 12		5,5kgr/m ²
ROWMAT BOARD RMS 12		5,5kgr/m ²
ROMMAT BOARD RMS 22		5,5kgr/m ²
ROMMAT BOARD RM 22		5,5kgr/m ²
ROWMAT BOARD RMS 32		5,8kg/m ²
ROWMAT BOARD RM 32		5,8kg/m ²
ROWMAT BOARD RMS 42		6,2kg/m ²
ROWMAT BOARD RM 42		6,2kg/m ²
ROWMAT BOARD RMS 52		6,7kg/m ²
ROWMAT BOARD RM 52		6,7kg/m ²
ROWMAT BOARD RMS 82		8,3kg/m ²
ROWMAT BOARD RM 82		8,3kg/m ²
ROWMAT BOARD RMS 102		8,5kg/m ²
ROWMAT BOARD RM 102		8,5kg/m ²

Compressive strength with 10% deflection

ROWMAT BOARD RM 52		4,4 kN/m ²
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Water absorption after long term immersion

ROWMAT BOARD RM 12		<4,2 Vol%
ROWMAT BOARD RM 22		<3,5Vol%
ROWMAT BOARD RM 32		<2,5 Vol%
ROWMAT BOARD RM 42		<1,7 Vol%

Fire property

ROWMAT BOARD RM 52	DIN EN 13501-1	B
range of temperature	from -50°C up to +75°C	

tolerances	length	± 2mm
	width	± 2mm
	thickness	± 1mm

Technical properties XPS Polystyrene		
Properties	Standard/Norm	Result
Tensile strength perpendicular to faces	DIN EN 1607	>400KPa
Fireproofing category	DIN EN 13501-1	E Class
Thermal conductivity (Declared value after 25 years)	DIN EN 12667	0,033 W/(mK)
Thickness tolerances	DIN EN 823	T3
Operating temperature	from -50° C up to +75° C	

Thermal transmission coefficient/thermal resistance of ROWMAT BOARD		
Product	U-VALUE(W/m2 K)	R-VALUE (m2 k/W)
ROWMAT BOARD RM 12	2,09	0,48
ROMMAT BOARD RM 22	1,44	0,69
ROWMAT BOARD RM 32	1,02	0,98
ROWMAT BOARD RM 42	0,79	1,26
ROWMAT BOARD RM 52	0,65	1,55
ROWMAT BOARD RM 82	0,42	2,41
ROWMAT BOARD RM 102	0,34	2,98