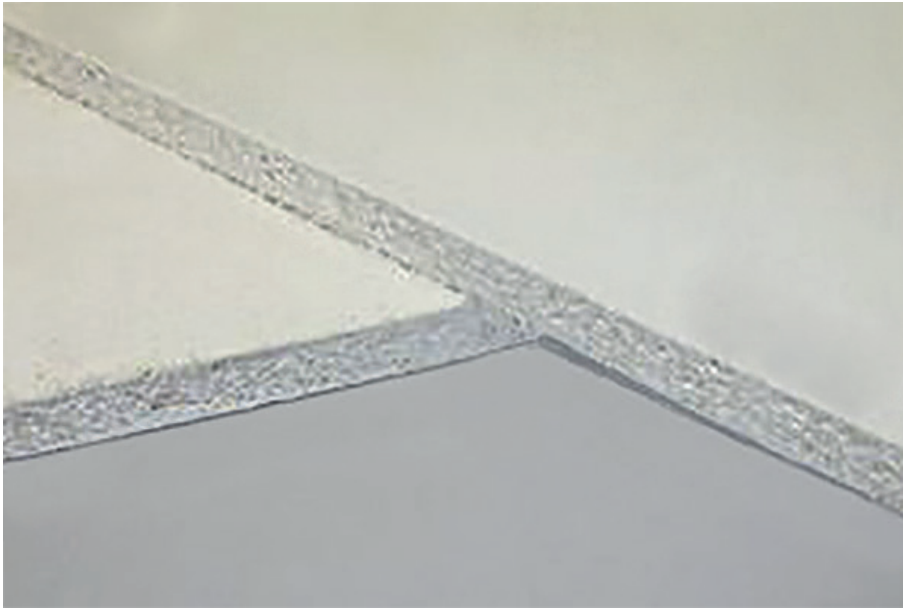


PROMINA®-M Non-combustible Board



www.promat-marine.com





Introduction

PROMINA® M is a versatile mineral board, gypsum and silica-free with excellent stability and moisture resistance. One side is a smooth finish and can be bonded with most surface finishes as used in the marine market.

PROMINA®-M retains its mechanical properties unaltered even in presence of high humidity.

Advantages

- Resistant to high humidity
- High mechanical resistance
- Easy to paint or bond with metal or plastic laminates
- Excellent dimensional stability

Applications

- Promat® SYSTEMFLOOR
- Walls & ceilings

Quality Assurance

Promat products are manufactured to stringent quality control systems to assure that our customers receive materials made to the highest standards.

Operating to these standards means that all activities, which have a bearing upon quality, are set out in written procedures.

Systematic and thorough checks are made on all materials and their usage. Test equipment is subjected to regular checks and is referred back to national standards.

The information given in this data sheet is based on actual tests and is believed to be typical of the product. No guarantee of results is implied however, since conditions of use are beyond our control.

PROMINA®-M offers high mass with low thicknesses providing significant noise reduction in the systems it is used in. Applications include walls, suspended ceilings and floating floors.

Two 9mm PROMINA®-M boards glued together are used as Promat® SYSTEM-FLOOR. This system provides an excellent acoustic floating floor with a 50mm overlapping joint system in order to allow the system continuity on both length and width.

Physical and technical properties

Nominal density	1000kg/m ³ ±10%
Colour	Off White/Light grey
Bending strength (Modulus of Rupture)	
Longitudinal	12.04N/mm ²
Transverse	10.39N/mm ²
Tensile strength - Longitudinal & Transverse	10.86N/mm ²
Compressive strength	10.70N/mm ²
Expansion in water saturation	≤ 1.0mm/m
Shear modulus	6,000N/mm ²
pH	10
Organic content	≤39%
Acoustic performance ISO 10140-2 and data evaluation as per ISO 717/1	See diagrams in "Acoustic performance" chapter
Reaction to fire DIR 96/98/EC as modified DIR 2013/52/EU	Certificate n° MED 071115CS

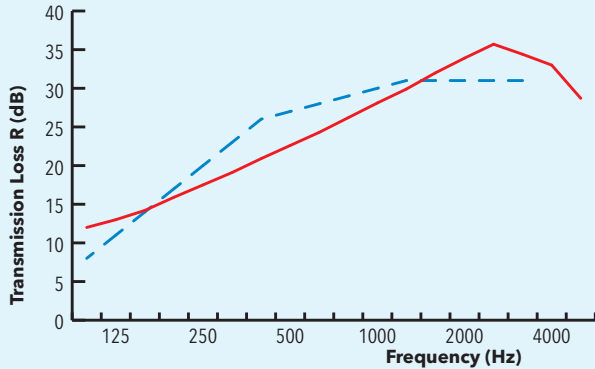
Standard dimensions

Thickness (mm) ± 10 %	Length (mm) ± 5mm	Width (mm) ± 3mm
3, 6, 9, 12, 18	2400	1200

Acoustic performance

PROMINA®-M, 6mm thickness

Area sample (m²): 2.88 - Weight (kg/m²): 6



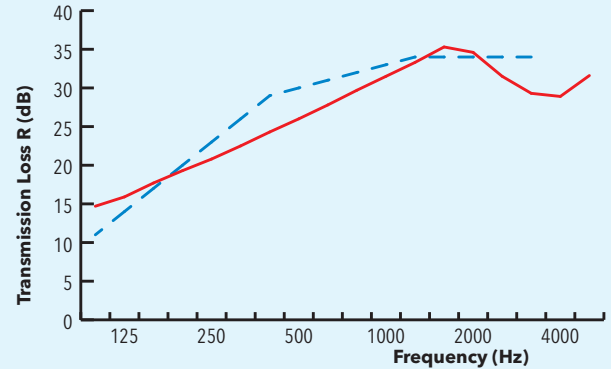
Frequency (Hz)	R (dB)	Frequency (Hz)	R (dB)
100	12.0	800	26.2
125	13.0	1000	28.1
160	14.2	1250	29.9
200	15.9	1600	32.0
250	17.5	2000	33.9
315	19.1	2500	35.7
400	20.9	3150	34.4
500	22.6	4000	33.0
630	24.3	5000	28.7

R_w = 27dB

Evaluation according to ISO curve 717-1

PROMINA®-M, 9mm thickness

Area sample (m²): 2.88 - Weight (kg/m²): 9



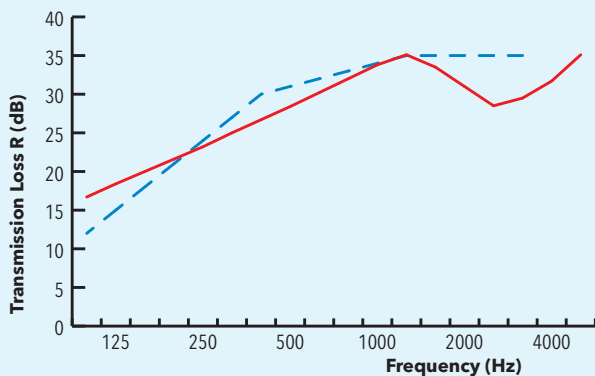
Frequency (Hz)	R (dB)	Frequency (Hz)	R (dB)
100	14.7	800	29.7
125	15.9	1000	31.5
160	17.7	1250	33.3
200	19.3	1600	35.3
250	20.8	2000	34.6
315	22.5	2500	31.5
400	24.3	3150	29.3
500	26.0	4000	28.9
630	27.8	5000	31.6

R_w = 30dB

Evaluation according to ISO curve 717-1

PROMINA®-M, 12mm thickness

Area sample (m²): 2.88 - Weight (kg/m²): 12



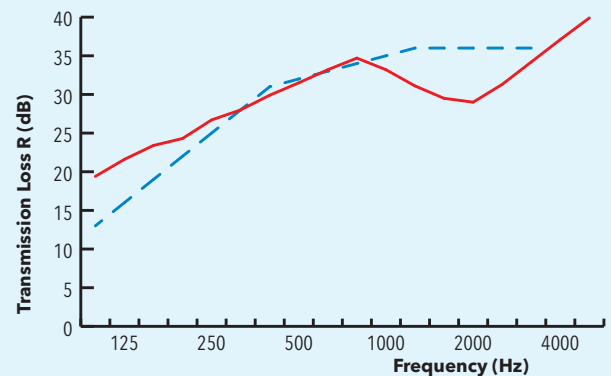
Frequency (Hz)	R (dB)	Frequency (Hz)	R (dB)
100	16.7	800	32.0
125	18.4	1000	33.8
160	20.0	1250	35.1
200	21.6	1600	33.5
250	23.2	2000	31.0
315	25.0	2500	28.5
400	26.7	3150	29.5
500	28.4	4000	31.7
630	30.2	5000	35.1

R_w = 31dB

Evaluation according to ISO curve 717-1

PROMINA®-M, 18mm thickness

Area sample (m²): 2.88 - Weight (kg/m²): 18



Frequency (Hz)	R (dB)	Frequency (Hz)	R (dB)
100	19.4	800	34.7
125	21.6	1000	33.2
160	23.4	1250	31.1
200	24.3	1600	29.5
250	26.7	2000	29.0
315	28.0	2500	31.3
400	29.9	3150	34.2
500	31.5	4000	37.1
630	33.2	5000	39.9

R_w = 32dB

Evaluation according to ISO curve 717-1