MTECH

STANDARD SIZE

1200mm x 1200mm x 50mm
1200mm x 2000mm x 50mm
MAX: 1250mm x 2000mm x 500mm

TECHNICAL DATA

DIN EN 13501-1:2010: C - s2, d0
COMPOSITION: BASOTECT G+ FOAM
CUTTING TOLERANCES: +/- 5mm
DENSITY: 9KG M3
TENSILE STRENGTH: EN ISO 1798 kPa > 130
HARDNESS: 40% DEFORMATION: 7 - 20kpa
COMPRESSION SET: 50% at 70c for 22 hours
THERMAL CONDUCTIVITY: 0.035W/mK@10c
TOXICITY: DIN 4102 CLASS A"
ACOUSTIC PERFORMANCE: CLASS D/A
CHEMICAL RESISTANCE: Resistant to hydrolysis, alcohols, hydrocarbons, moisture, organic solvents and dilute acids

02 | MTECH FOAM

Mtech melamine foam "Basotect" is a perfect acoustic solution for the architectural acoustics industry due to its high sound absorption, fire resistance and thermal properties. Mtech is an open-pore melamine foam that helps to ensure pleasant room acoustics, even when retrofitted. Mtech can be used in it's 'raw' state (grey / white) or covered using a variety of facings, it can even be directly printed onto or painted. These lightweight absorbers allow large-scale, free-floating elements to be implemented into your projects, offering an attractive room design.

FEATURES & BENEFITS

- Class A acoustic performance
- Flame retardant
- Light Weight
- No fibres
- Resistant to static charge
- Easy to work with
- High colour stability
- Design freedom

TM

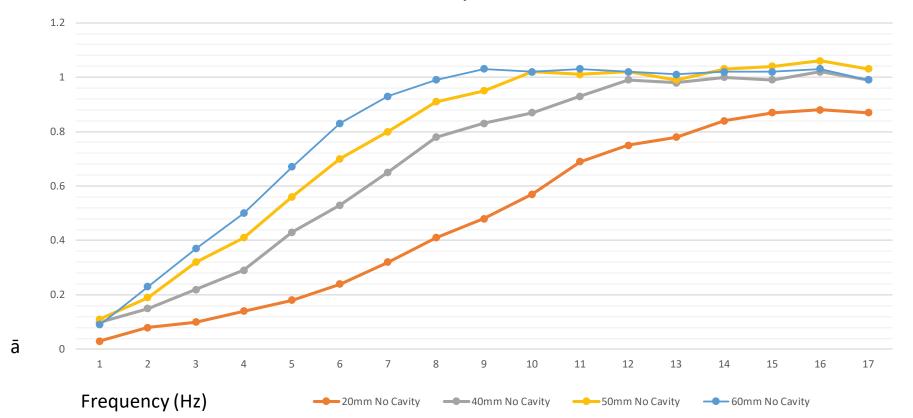*"We exist to design, manufacture and supply the future of interior acoustic products."*

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Acoustic Test Report MTECH

Frequency (Hz)

— 20mm No Cavity   — 40mm No Cavity   — 50mm No Cavity   — 60mm No Cavity

MTECH ACOUSTIC DATA																	
Frequency	100Hz	125Hz	160Hz	200Hz	250Hz	315Hz	400Hz	500Hz	630Hz	800Hz	1000Hz	1250Hz	1600Hz	2000Hz	2500Hz	3150Hz	4000Hz
20mm No Cavity	0.03	0.08	0.1	0.14	0.18	0.24	0.32	0.41	0.48	0.57	0.69	0.75	0.78	0.84	0.87	0.88	0.87
40mm No Cavity	0.1	0.15	0.22	0.29	0.43	0.53	0.65	0.78	0.83	0.87	0.93	0.99	0.98	1	0.99	1.02	0.99
50mm No Cavity	0.11	0.19	0.32	0.41	0.56	0.7	0.8	0.91	0.95	1.02	1.01	1.02	0.99	1.03	1.04	1.06	1.03
60mm No Cavity	0.09	0.23	0.37	0.50	0.67	0.83	0.93	0.99	1.03	1.02	1.03	1.02	1.01	1.02	1.02	1.03	0.99