

MTECH

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 its '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.



DATA DATA

FIRE SPECIFICATION

DIN EN 13501-1:2010: C - s2, d0
BS 476 PART 6/7 CLASS 0 @ 25mm

SIZE

1250mm x 2500mm x 500mm

ACOUSTIC RATING

CLASS D/A

COMPOSITION

BASOTECT G+ FOAM

CUTTING TOLERANCE

+/- 2%

DENSITY

9KG M3

TENSILE STRENGTH

EN ISO 1798 kPa > 130

HARDNESS

40% DEFORMATION: 7 - 20kpa

THERMAL CONDUCTIVITY

0.035W/mK@10c

COMPRESSION SET

50% at 70c for 22 hours

TOXICITY

DIN 4102 CLASS A"

CHEMICAL RESISTANCE

Resistant to hydrolysis, alcohols, hydrocarbons, moisture, organic solvents and dilute acids.

MTECH ACOUSTIC DATA

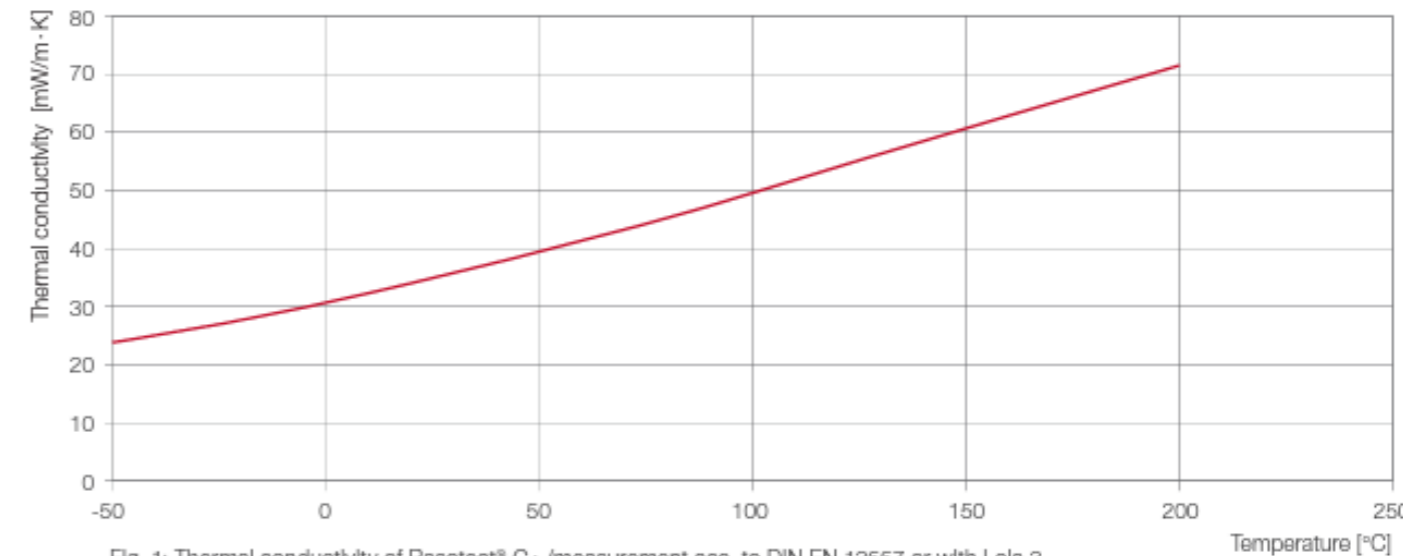


Fig. 1: Thermal conductivity of Basotect® G+ (measurement acc. to DIN EN 12667 or with Lola 3 two-plate apparatus from the Zentrum für Angewandte Energieforschung Bayern, Würzburg)

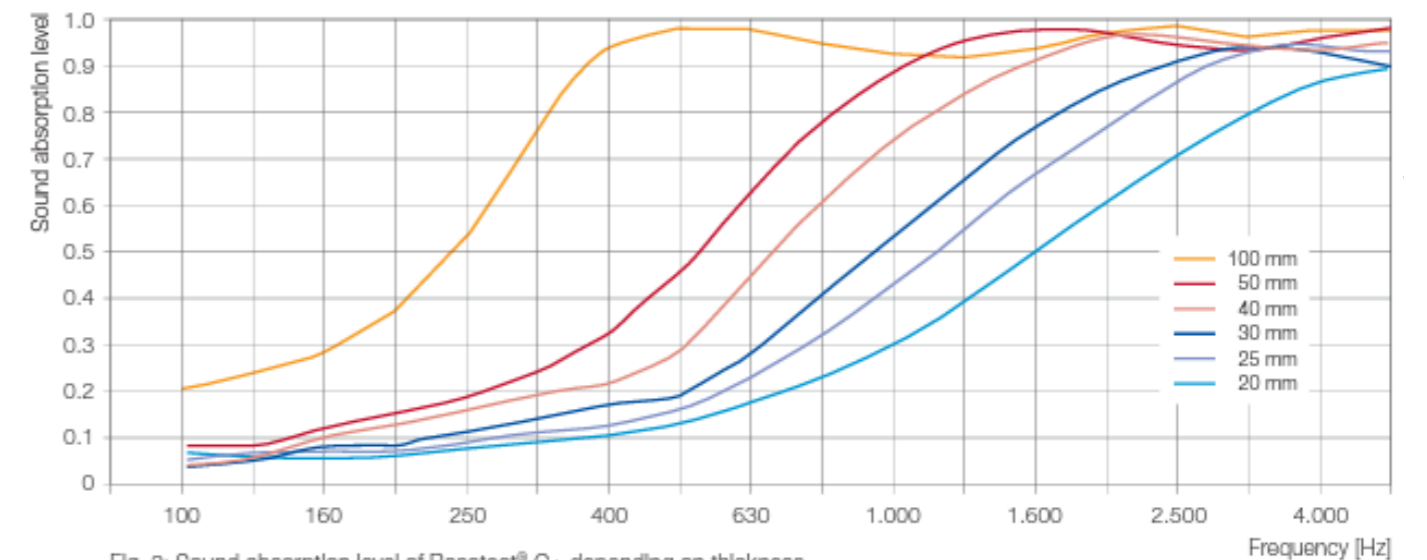


Fig. 2: Sound absorption level of Basotect® G+ depending on thickness acc. to DIN EN ISO 10534-2 (Impedance tube)