

FIRETECH

FireTech is a highly modified flexible open-celled polyurethane foam.

Used as an acoustic sound absorber offering excellent absorption characteristics, especially in the troublesome low frequencies, whilst achieving the highest possible fire resistance ratings for a flexible acoustic foam. FireTech is a chemically inert product that will not dust or migrate, even when subjected to high-velocity airflows. Tested at 10000 fpm for 4 hours. FireTech also has the ability to act as a membrane absorber across the full frequency spectrum when specified with the correct material thickness & choice of facing. High mass ensures FireTech gives excellent damping performance when applied to rigid substrates, greatly improving sound breakout.



DATA

FIRE SPECIFICATION

EN 13501-1 EURO CLASS B-s1,d0
BS 476 PART 6/7 CLASS 0

COMPOSITION

Carbon Impregnated PU Foam

CUTTING TOLERANCE

+/- 2%

DENSITY

90KG M3

OPERATING TEMPERATURE

-30C to 100C

ASTM C1071-05 12.7

Pass

FUNGUS RESISTANCE

Excellent

THERMAL CONDUCTIVITY

0.32 Btu-in/ft2-hroF

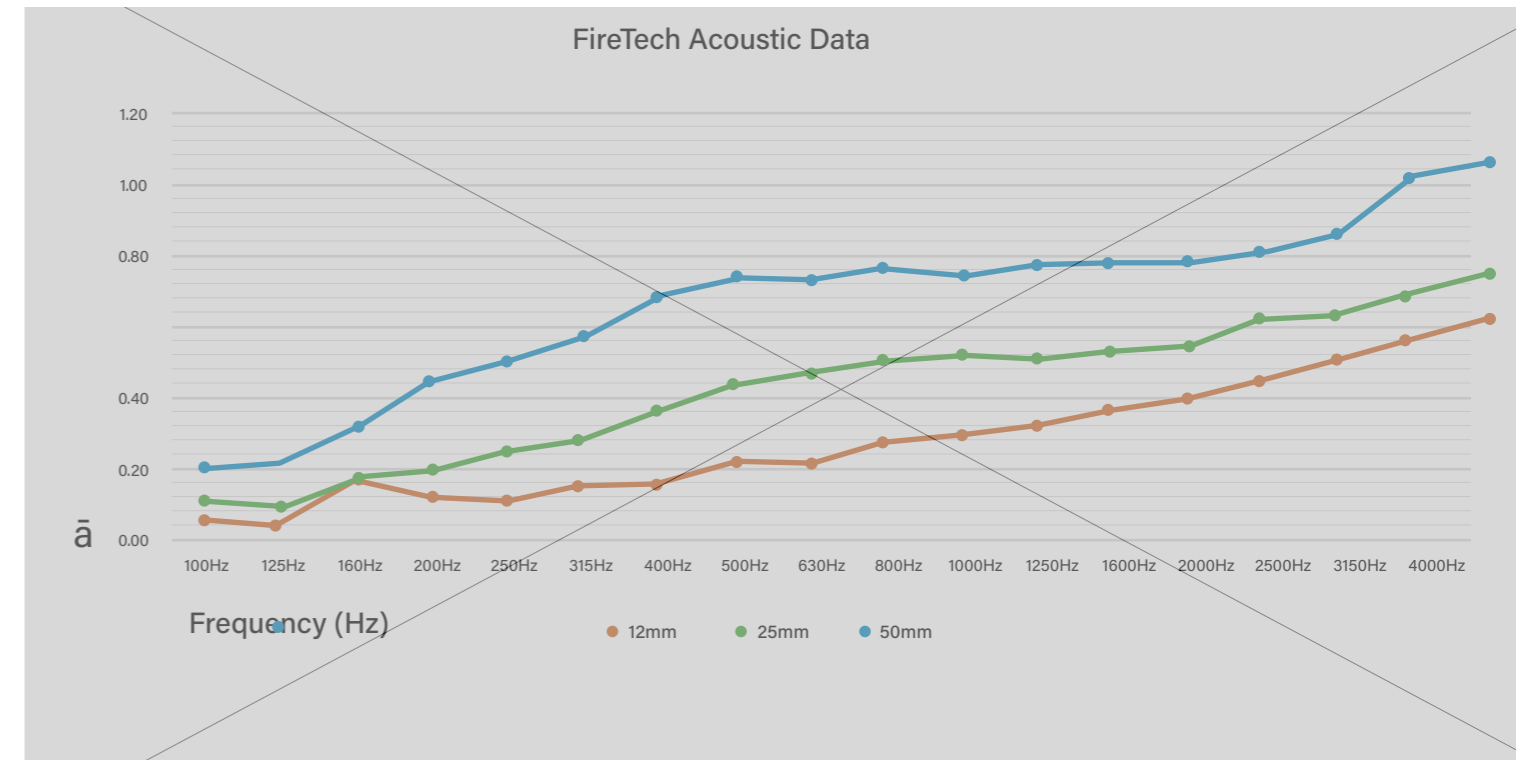
WATER VAPOUR

ASTM C1104-06 - <9%

COLOUR

Dark Grey

FIRETECH ACOUSTIC DATA



Sound absorption @ 12mm (Random Incidence) NRC > 0.27

Sound absorption @ 25mm (Random Incidence) NRC > 0.42

Sound absorption @ 50mm (Random Incidence) NRC > 0.67