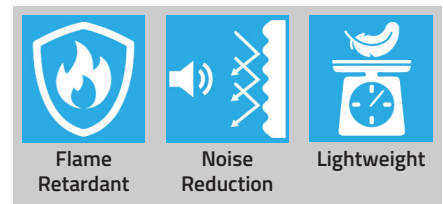


RubbaSorb Class 0 FR Acoustic Foam

Product Code: RUBBASORB-S

Key Features

- High-density acoustic and flame retardant material
- Flame-retardant to UL94 HF1 and BS 476 P6 & P7 Class 0
- Fire-resistant to BS EN ISO 4589-3
- Sound absorption tested to BS EN 20354
- Non-toxic



Technical Data

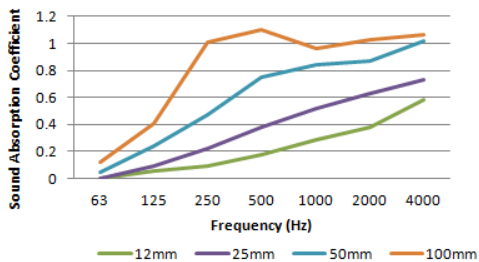
Property	Test Method	Value
Compound	-	Impregnated polyurethane foam
Colour	-	Dark grey
Density	-	75 - 100 kg/m ³
Hardness	-	120 - 180 N
Tensile Strength	-	>70 kPa
Elongation at Break	-	>90 %
Thermal Conductivity	-	0.048 - 0.051 W/mK
Erosion Resistance	-	6000 ft/min
Working Temperature	-	-40 to +110° C
CFC Free	-	Yes
Flammability Properties		
Ignitability	BS 476 Part 5	Non-ignition
Fire Propagation	BS 476 Part 6	$I \leq 12, I_1 \leq 6$
Surface Spread of Flame	BS 476 Part 7	Class 1
Building Regulations	BS 476 Part 6 and Part 7	Class 0
Burning Behaviour by Oxygen Index	BS EN ISO 4589-3	No ignition
Combustion Tests for Plastics	UL 94	V-0, 94-5V
Fire Safety (Passenger Trains)	BS 6853:1987 App. B.5.3	$A_{0(max)} < 5$
Toxicity	NES 713	<3.0

The information contained on this product information sheet is to be used as guidance. The advice is given in good faith and does not constitute any guarantee or recommendation for suitability. The Rubber Company cannot be held liable for any damage caused by incorrect installation. We hereby reserve the right to change the technical information herewith without notification or prior agreement.

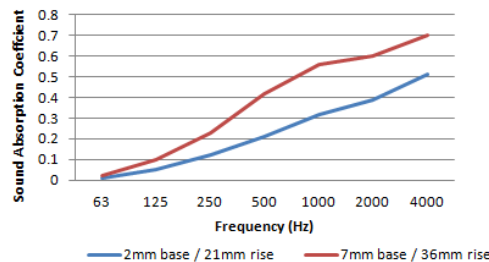
Acoustic Performance

The tables below show the sound absorption coefficients for RubbaSorb foam. This material has been measured to ASTM and BS EN 20354 (previously BS 3638:1963) as these are the most common testing standards. Both of these methods of testing can be used to give an indication of the potential performance of RubbaSorb. It is worth noting, however, that performance can vary depending on a number of factors. Neither test can predict the overall performance of the material in a real application.

Flat Absorption Coefficients: BS EN 20354
(Reverberation Room)



Profiled Absorption Coefficients: BS EN 20354
(Reverberation Room)



Full Range

- **RubbaSorb-S-AD3** (self adhesive backed)
- **RubbaSorb-S-V1** (faced with polymeric coating)
- **RubbaSorb-S-PU2** (faced with a black flexible polyester polyurethane film)
- **RubbaSorb-S-RA1** (reinforced Class O aluminium foil)
- **RubbaSorb-S-GC** (glass cloth facing for abrasion resistance)
- **RubbaSorb-S-VG** (PVC coated polyester facing for hygiene and durability)
- **RubbaSorb-S-L** (lead lined composite)
- **RubbaSorb-S-DS** (heavy layer rubber damping sheet lined composite)
- **RubbaSorb-S** (profiled/egg box)

Approvals



The information contained on this product information sheet is to be used as guidance. The advice is given in good faith and does not constitute any guarantee or recommendation for suitability. The Rubber Company cannot be held liable for any damage caused by incorrect installation. We hereby reserve the right to change the technical information herewith without notification or prior agreement.