

Charcoal Acoustic Foam

Grade reference: PHOE25 | Open-Cell Acoustic Polyurethane Foam

PRODUCT DESCRIPTION

A flexible polyether polyurethane foam engineered for acoustic absorption applications. The open-cell structure attenuates mid- and high-frequency reverberation, flutter echo and reflections within enclosed spaces. The grade meets the requirements of Schedule 1, Part 1 of the Furniture and Furnishings (Fire) (Safety) Regulations and is capable of meeting UL94 HF1 and MVSS 302 flammability standards.

FIRE PERFORMANCE	Meets Schedule 1, Part 1 of the Furniture and Furnishings (Fire) (Safety) Regulations 1988 (as amended). Capable of meeting UL94 HF1 and MVSS 302.
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TECHNICAL SPECIFICATIONS

PROPERTY	TEST STANDARD	VALUE	UNIT
Nominal density range	BS EN ISO 845:1995	24 - 27	kg/m ³
Nominal hardness (40% indentation)	BS EN ISO 2439	115 - 150	N
Nominal tensile strength	BS EN ISO 1798	≥ 70	kPa
Nominal elongation at break	BS EN ISO 1798	≥ 120	%
Standard supply colour	-	Dark grey	-

TYPICAL APPLICATIONS

Recording studios, home cinemas, podcast and broadcast booths, rehearsal rooms, drum rooms, and open-plan office acoustic treatment. Supplied as plain sheet, cut-to-size panels, or pre-shaped acoustic tiles (wedge, pyramid, eggbox profiles).

SUPPLY FORMATS

Available in sheet, block, profile and bespoke cut-to-size formats. Cut-to-size service included at no extra cost. Custom converting and lamination available on request. Contact the All Foam technical team for nonstandard dimensions and tolerances.

The information in this document is intended as a general technical guide and is based on data believed to be accurate at the date of issue. Values shown are typical and are not guarantees of performance, service life, fitness for a particular purpose or regulatory compliance. Customers are responsible for confirming product suitability for their intended application. Simply Foam Products Ltd reserves the right to update product data without prior notice.