Class 0 Acoustic Foam

Grade reference: Class 0 | Fire-Rated Acoustic & Thermal Polyurethane Foam

PRODUCT DESCRIPTION

An open-cell acoustic and thermal polyurethane foam manufactured with impregnated fire-retardant compounds, originally developed as safety-critical foam for regulated commercial environments. The high density (~85 kg/m³) provides exceptional vibration dampening within metal enclosures, reducing drumming and structural noise breakout. Certified to UK Building Regulations Class 0 (BS 476 Parts 6 & 7).

FIRE PERFORMANCE	UK Building Regulations Class 0 (BS 476 Parts 6 & 7). Class 1 surface spread of flame to BS 476 Part 7. UL94 V-0 and 94-5V certified.

TECHNICAL SPECIFICATIONS

PROPERTY	TEST STANDARD	VALUE	UNIT
Density range	Internal	75 - 100	kg/m³
Hardness	BS EN ISO 2439	120 - 180	N
Tensile strength	BS EN ISO 1798	> 70	kPa
Elongation at break	BS EN ISO 1798	> 90	%
Thermal conductivity	Internal	0.048 - 0.051	W/mK
Erosion resistance	Internal	6000	ft/min
Working temperature range	Internal	-40 to +110	°C
CFC content	-	None	-

TYPICAL APPLICATIONS

Commercial and public-building acoustic treatment where fire-rating compliance is mandatory: cinemas and theatres, hotel lobbies and lounges, restaurants and cafés, schools and lecture theatres, places of worship, and any premises subject to UK Building Regulations Approved Document B. Supplied with or without self-adhesive backing.

SUPPLY FORMATS

Available in sheet, block, profile and bespoke cut-tosize 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. ALL FOAM PRODUCTS LTD reserves the right to update product data without prior notice.