

PHS Airtight Foam Combi Kit

PHS Airtight Foam Combi Kits include
PHS Airtight Foam, a PHS Foam Gun with
PHS Gun Cleaner and free protective eyewear.

PHS Airtight Foam is a polyurethane gun grade foam, designed to fill and seal gaps, cracks and penetrations to stop air infiltration, maintain thermal integrity and reduce the transfer of noise. It is suited to sealing around wooden, plastic and metallic window and door frames; sealing gaps, cracks and cavities that could otherwise be difficult to seal; and sealing plumbing, heating, ventilation and wiring penetrations. The PHS Foam Cleaner is an organic solvent mixture that removes fresh polyurethane foam and is formulated especially to clean the PHS Foam Gun after use.

## **Features & Benefits**

- Acoustic Insulation: EN ISO717-1: 62dB
- Airtight DIN 18542: <0.02 m³/h/m² at 100 PA</li>
- Thermal Conductivity: EN 12667:2001 : 0.039 (W/(m-K))
- Water Vapour Transmission (sd): EN 12086: 2023: 0.31m



## Technical Data

Form:	Aerosol
Colour:	Colourless
Odour:	Organic Solvents
Density at 20°C:	850kg/m³
	≤ 0,2 % Wt.
	+55°C to +78°C



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Needle:	Stainless Steel	
Gun Body Material:	Aluminum Alloy	
Gun Barrel Material:	Steel with Nickel Coated	
Gun Barrel Length:	189mm	
Gun Weight:	0.300kg	
Thrust Ratio:	26:1	



## Technical Data

Form:	Foaming Liquid
Colour:	Blue
Odour:	Hydrocarbons
Max. Application Temperature:	+5°C to +35°C
Optimum Application:	+15°C to +20°C
Take Free Time:	12mins
Cutting Time (strip of 2cm Ø strip):	25mins
Final Curing Time:	12 hours
Density of Freely Expanded Foam:	12 - 16 kg/m³
Density of Foam in Gap:	12 – 16 kg/m³
Foam Yield of 750ml:	36 - 40L
Yield of 750ml Can (2cm wide strip):	70 ± 5m
Dimenional Stability:	Max. ±5%
Fire Class:	B3
Compression at 10%:	27 kPa (dry), 22 kPa (wet)
Tensile Strength:	107 kPa (wet), 90 kPa (dry)
Sheer Strength:	205 kPa (wet), 162 kPa (dry)
Thermal Conductivity:	0.39 W/mK

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UK: Passive House Systems CM16 6th, Epping, Essex, UK Tel. (+44) 0333 880 2347 www.passivehousesystems.co.uk Passive House Systems products are used by a very diverse customer base for a wide range of technical and industrial applications. The demands made on our products vary considerably from application to application. We strongly advise users to test the products suitability for their own particular requirement. All data and recommendations contained in this Technical Datasheet are based on our own test results and practical experience and are aimed at helping customers select the appropriate product. This information is provided without liabiolity. We reseve the right to change the technical specification without prior notice. Samples are available free of charge, our sales team are available to help support all technical specifications for our products.