

# PHS Airtight Foam

**Airtight Expanding Foam for sealing construction joints.** 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.

**Heat Insulating • Sound Insulating • Highly Elastic • Airtight**

## Application Areas

- Sealing around wooden, plastic and metallic window and door frames.
- Sealing of gaps, cracks and cavities that could otherwise be difficult to seal.
- Sealing of plumbing, heating, ventilation and wiring penetrations.

## Pre-Application

- This foam does not adhere to: PE, PP, PTFE and silicone surfaces.
- The optimal can temperature for application is +15°C to +20°C.
- The maximum allowed difference between the ambient temperature and the can is 5°C.
- Do not exceed the maximum allowed temperature interval for application from +5°C to +35°C.

## Application Procedure

- Remove dust, grease and other contamination from the surface. Before applying the foam, the surface must be free from frost and ice but may be wet.
- Moisten surfaces with water applied from a spray bottle.
- Shake the can vigorously at least for 1 minute.
- Screw the can onto the application gun. The working position of the can is with the valve facing downwards.
- Regulate foam dispersed by pulling the gun trigger.
- If the cavity is wider than 5cm, we recommend to fill it in layers with maximal width of 2cm. Wet the surface of each fresh foam layer and continue by adding other layer(s) until the space is filled up.
- The foam will expand during curing; fill the space only up to half the area. Air humidity will influence the volume and quality of cured foam. Intensive moistening is necessary if relative air humidity is below 35%.
- Cured foam can be cut with a knife. The surface of cured foam must be protected from long-term UV radiation.
- Fresh foam can be removed with FOAM CLEANER, cured foam must be mechanically removed. The gun must be cleaned with foam cleaner immediately after finishing work and immediately after removing the can from the gun.
- Before screwing the cleaner onto the gun connector, attach the plastic tube included in the gun package. This prevents aerosol formation during cleaning.
- When using this product wear protective glasses and gloves. More information is contained in the MSDS.
- This product is supplied in pressurised cans with a filling volume of 870ml to 500ml. Packed in cartons of 12 pcs.
- Store cans in the upright position with the valve facing upwards. Store in a dry and well ventilated place between +5°C to +25°C. Shelf life of the product is 18months from the date of production.
- All professional and industrial users of diisocyanates must undertake adequate training before use as from 24th August 2023.



## Technical Data

Form	foaming liquid
Colour	green
Odour	of hydrocarbons
Max. Application Temperature	+5°C to +35°C
Optimum can Temp. for Application	+15°C to +20°C
Tack free time	12 min
Cutting time (strip of 2cm diameter)	25 min
Final curing time	12 hours
Density of freely expanded foam	12 – 16 kg/m <sup>3</sup>
Density of foam in gap	12 – 16 kg/m <sup>3</sup>
Foam yield of 750ml	36–40L
Yield of 750ml can (strip, 2cm width)	70 ±5m
Dimensional stability	max. ±5%
Fire class	B3
Compression at 10%	27 kPa (dry), 22 kPa (wet)
Tensile strength	107 kPa (wet), 90 kPa (dry)
Shear strength	205 kPa (wet), 162 kPa (dry)
Thermal conductivity	0,39 W/mK

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