

PHS TRS Expanding Foam Tape

PHS TRS Expanding foam tape has a combination of resilient foam and water resistant binder. This creates a slow expanding pre-compressed, expanding foam tape that is used to resist weather ingress in fenestration, roofing, and other construction applications. Its visco-elastic property offers noise/vibration damping while its impregnated foam structure provides an energy efficient thermal barrier. PHS TRS allows some movement of the structure whilst ensuring that the airtight seal remains constant.

Advantages

- BG1 Water-tight seal to driving rain at 600Pa,
- Good air-tightness if used compressed,
- Acoustic and thermal insulation,
- Vapor permeable,
- Easy and clean to apply,
- Improves energy efficiency in buildings,
- Seals against uneven surfaces,
- Accommodates joint movement
- Fire retardant, self-extinguishing,
- Easy to quantify usage,
- Perimeter seals for windows and doors,
- Facade roof joint and sandwich panels,
- Timber frame buildings and log homes,
- Installation of roof lights or solar panels,
- Side/end laps on roofing sheets,
- Abutment seals for conservatories,
- Joints for portable or sectional buildings.



Technical Data

Material:	Polyurethane Foam
Impregnation:	Synthetic Resin
Adhesive:	Acrylic adhesive
Resistance to driving rain:	DIN 18542; > 600 Pa, BG1
Fire classification:	DIN 4102; B1, self-extinguishing, PND 04-479
Air-permeability (pressure of 10Pa):	DIN 18542; $a < 1 \text{ m}^3 / (\text{h} \cdot \text{m} \cdot (\text{daPa}))$ – Pass BG1
Resistance to temperature changes and humidity:	DIN 8541; Passed
Resistance to UV & Heat rays:	NF P 85-570 and NF P 85-571; Passed
Thermal conductivity:	DIN 18542; 0,046W/mk
Vapour resistance:	DIN 18542; $u > 100$
Compatibility with chemical agents:	Resistance to acids, bases, diluted alkalis
Service temperature:	-40C to +100C
Application temperature:	From 5C

Storage temperature:	+1C to +25C
Shelf life:	2 years from manufacturing date
Life expectancy:	>20 years