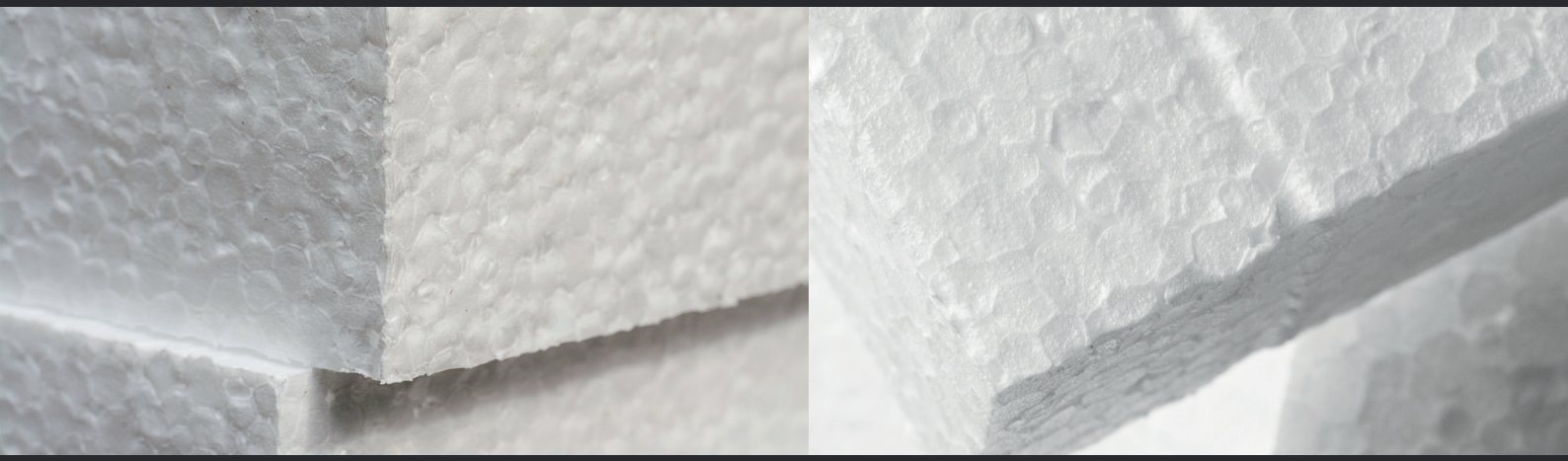
spi Expanding possibilities

Stylite®

Stylite Expanded Polystyrene - Datasheet

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Stylite Expanded Polystyrene is suitable for an incredibly wide variety of applications in the building trade, both domestic and industrial. Expanded Polystyrene (EPS) has very robust properties and can offer many different benefits to all kinds of projects.

Our **Stylite Expanded Polystyrene** is available in a range of grades, from EPS 70 up to EPS 500, which offer flexibility when choosing the right material. From thermal conductivity to the compressive strength, EPS can offer a solution for almost any consideration.

Stylite Expanded Polystyrene for the building trade comes in all shapes and sizes, from standard sheets to custom contour cut profiles.

Some Typical Applications Include:
Flooring Insulation - Insulated Beam & Block Infills Underfloor Heating - External Wall Insulation - voidfill Roof Insulation - Cavity Wall Insulation, and many more.

Benefits of EPS

- Thermal Conductivity available from as low as **0.030 W/mK**
- Available in high densities and compressive strengths
- Lightweight and easy to handle
- Highly cost effective cost to performance ratio
- BRE Green Guide Rating **A+**
- No reduction in performance over time
- EPS is non toxic and completely safe too use across all building applications
- Minimal water absorption & permeability
- GWP (Global warming potential) & ODP (O Zone Depletion Potential) of zero
- 100% recyclable
- No HFC's, CFC's or HCFC's

Need help specifying **Stylite Expanded Polystyrene** Give us a call now on **01274 691 777**

sales@styrene.co.uk - technical@styrene.co.uk — 01274 691 777 — www.styrene.co.uk

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Technical Specification

Physical Properties	EPS 70	EPS 100	EPS 150	EPS 200	EPS 250	EPS 300	EPS 350	EPS 400	EPS 500	Plus-Therm
Thermal Conductivity (W/mK)	0.038	0.036	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.030
Compressive Strength @ 10% (kPa)	70	100	150	200	250	300	350	400	500	100
Nominal Density (kg/m3)	15	20	25	30	35	40	45	50	60	20
Bending Strength (kPa)	115	150	200	250	350	450	525	600	750	150
Water Vapour Permeability (mg Pa.h.m)	0.015 - 0.030	0.009 - 0.020	0.009 - 0.020	0.006 - 0.015	0.006 - 0.015	0.006 - 0.015	0.006 - 0.015	0.006 - 0.015	0.006 - 0.015	0.009 - 0.020
Water Vapour Diffusion Resistance (μ)	20-40	30-70	30-70	40-100	40-100	40-100	40-100	40-100	40-100	30-70
Reaction to Fire - Standard EPS	F	F	F	F	F	F	F	F	F	E
Reaction to Fire - Fire Rated EPS	E	E	E	E	E	E	E	E	E	E
Length Tolerance	L2	L2	L2	L2	L2	L2	L2	L2	L2	L2
Width Tolerance	W2	W2	W2	W2	W2	W2	W2	W2	W2	W2
Thickness Tolerance	T2	T2	T2	T2	T2	T2	T2	T2	T2	T2
Flatness Tolerance	P5	P5	P3	P3	P3	P3	P3	P3	P3	P5
Squareness	S2	S2	S2	S2	S2	S2	S2	S2	S2	S2
Dimensional Stability	DS (N) 5	DS (N) 5	DS (N) 5	DS (N) 5	DS (N) 5	DS (N) 5	DS (N) 5	DS (N) 5	DS (N) 5	DS (N) 5

Disclaimer: The information contained within this technical datasheet is true and accurate at the date of issuance and is subject to change without prior notice. It is for guidance only the proper use and application of this product is the responsibility of the user.

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