

TECHNICAL INFORMATION



Description:

6mm XPE Sound Foam Underlay is a cost effective acoustic underlay manufactured from an XPE closed cell polyolefin foam, and can be used with a wide range of floor finishes.

It is particularly suited to double-stick carpets, floating wood and laminated floor finishes. 6mm XPE Foam Underlay is guaranteed for the serviceable lifetime of the floorcovering under which it is laid, providing it has been laid in accordance with manufacturer guidelines.

Applications:

- **Social housing**
- **Apartments**
- **Educational buildings**
- **Hotels**



Benefits:

- **Offers a reliable and economical solution to Part E compliance**
- **Greater resistance to compression and creep compared with traditional foam underlay products**
- **Available in two thicknesses to give a choice of impact sound insulation values**
- **Quick and easy to install**
- **No need for an additional waterproof membrane layer**

Specification:

Property	Value
Material construction	Cross-linked polyolefin foam
Roll sizes	1.1m x 27.3m
Standard thicknesses	6mm
Roll weight	11.2 kg (30m ² /roll)
Density	65 kg/m ³
Resistance to cracking	Not greater than 50mm
Tensile strength (longitudinal)	0.35MPa
Tensile strength (transversal)	0.3MPa
Elongation at Break (longitudinal)	120%
Elongation at Break (transversal)	125%
Compression stress strain 10%	23kPa
Compression stress strain 25%	45kPa
Compression stress strain 50%	105kPa
Compression set 25% 22h, 23°C, 0.5h	17%
Compression set 25% 22h, 23°C, 24h	7%
Compression set 50% 22h, 23°C, 0.5h	36%
Compression set 50% 22h, 23°C, 24h	26%
Operating temperature range	-40°C
Dimensional stability	90°C
Horizontal burning rate (<100mm,/min)	>7 mm thickness
Thermal conductivity (λ) 0°C	0.040 W/m ² K
Thermal conductivity (λ) 20°C	0.041W/m ² K
Water vapour diffusion coefficient μ	868
Water absorption after 28 days	0.645%
Weighted reduction in impact sound pressure (Delta Lw)	68dB

