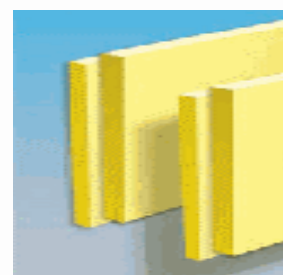


AXTER XPS INSULATION 300 kPa

Extruded polystyrene insulating boards, produced with CO₂ environmentally friendly CFC - and HCFC – free blowing agents, with CE marking according to the Norm EN 13164. The boards have a closed-cell structure and a Euroclass E fire reaction classification.



APPLICATION

- Thermal insulation of flat roofs, paved roofs, inverted roofs, and roof gardens.
- Thermal insulation of pitched roofs, “sarking roofs”, under -tile with single or double plank base.
- Covering and thermal bridging correction of under - roof base, beams and pillars.

ADVANTAGES

- GWP (Global Warming Potential) = one
- ODP (Ozone Depletion Potential) = none
- High thermal insulation
- High mechanical resistance to compression
- Euro Class E Fire Reaction

TECHNICAL PROPERTIES

	Measure Unit	Norm	300 kPa
Surface finishing	--	--	Smooth with skin
Declared thermal conductivity at 10°C – statistic value 90/90 with 25 years ageing	W/mK	EN 12667	30-40 mm : 0.034 50 mm : 0.035 60-80 mm : 0.036 100 mm : 0.037 120-140 mm : 0.038
Compressive strength 10% max. deformation	kPa	EN 826	CS(10)250* CS(10)300**
Compressive creep	kPa	EN 1606	CC(2/1,5/50) 106**
Water absorption by immersion after 28 days	Vol.%	EN 12087	WL (T) 0.7
Water absorption by diffusion	Vol.%	EN 12088	WD(V)5 ^º WD(V)3 ^{ºº}
Water vapour diffusion Resistance	-	EN 12086	200
Freeze-Thaw resistance	Vol.%	EN 12091	FT 2
Fire Behaviour	Euro class	EN 13501-1	E

*for thicknesses 30-40 mm
º for thickness 30 mm

**for thicknesses 20 and from 50 to 140 mm
ºº for thicknesses from 40 to 140 mm



Technical Data Sheet

Axter Limited

West Road Ransomes Europark

Ipswich Suffolk IP3 9SX

Tel (01473) 724056 Fax (01473) 723263

Email info@axterltd.co.uk**www.axter.co.uk**

NB: The manufacturer reserves the right without prior notice to modify the composition of his products. Characteristics provided in this publication derive from data obtained under controlled test conditions. AXTER Limited makes no warranties, express or implied as to the properties and performance under any variations from such conditions in actual construction.

DIMENSION SPECIFICATIONS

Dimensions	300 kPa
Length (mm)	1250 (±) 2500 (±10) 2900 (±10)
Width (mm)	600 (±3)
Thickness (mm)	20 ÷ 40 (±2) 50 ÷ 140 (±3)
Board type L-ship lapped I-square edged D-tongue & grooved	I – L - D

Other compressive strengths (500 and 700 kPa) are available. Please contact Axter Ltd.