



### Lambdatherm® 70

### Lambdatherm® ELITE



#### Features

- Grey Enhanced EPS
- S and B EPS Lambdatherm® offers excellent thermal performance providing savings in energy costs and higher comfort levels in dwellings.
- Maintains its thermal efficiency throughout the life of a building.

S and B EPS Lambdatherm® is a specially designed EPS that contains tiny chemically modified particles that reflect heat radiation and gives the material its grey colour.

These infrared absorbers and reflectors lower the thermal conductivity of the material offering a thickness reduction of about 20% against standard white EPS.

#### Applications:

External wall, ground floors and pre-stressed concrete beam, Flooring, Cavity wall, Structural insulated panels [SIPS].

#### Dimensions:

Standard board sizes 2400 x 1200 thickness 50, 60, 75, 90,100 and 150mm with non-standard sizes supplied to order. External wall board 1200 x 600 thickness 90 and 100mm with non-standard sizes supplied to order.

Lambdatherm® is available in the following grades:

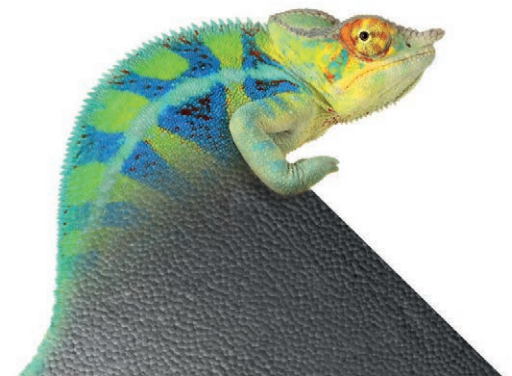
Features	Lambdatherm®	
	70	ELITE
Thermal Conductivity [k] value W/mk (10°C mean)	0.032	0.030
Compressive Strength kPa Min (at 10% compressive strength)	70	100
Cross Breaking Strength kPa Min	115	150
Safe working load kPa at 1% nominal compression	21	45
Vapour diffusion resistance factor $\mu_1$	20-40	30-70
Vapour permeability $\delta$ mg [pa.h.m]	0.015 to 0.030	0.009 to 0.020

#### Compatibility:

Lambdatherm® S and B EPS flooring is compatible with timber, cement, concrete, brick masonry and mortars it is compatible with bitumen based membranes but should not be used with membranes based on coal tar pitches. Plasticised PVC electrical cables can react with EPS when in direct contact. This reaction does not affect the performance of the EPS or the insulation properties of the cables. However it is recommended that PVC cables be run in conduit wherever possible.

#### Contact Us

Feel free to drop us a call or an email and one of our helpful staff will be happy to answer any questions or queries.



#### Recycling

EPS/Lambdatherm® is 100% recyclable and for any left over waste we can offer a 'Waste Recycling Scheme' ask one of our team.



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