



L-Ments® is a self-supporting and thermal insulating element, designed for use in pitched roof applications (inclination between 15° - 60°) with a covering consisting of roof tiles or slates and in climate conditions of class I, II or III (not suitable for climate class IV, e.g. swimming pools). It consists of the following elements: - a core in PIR foam, which is covered on both sides by a gas diffusion tight multi-layered facer. - two integrated timber stiffeners of 45 mm wide and 120 mm high with a center-to-center distance of 600 mm, Spruce C24 (cf. EN 338 & PEFC labelled). Fingerjoints can occur in the timber. - one integrated mounting base for the counter battens per meter length, OSB III - two counter battens of 45 mm wide and 30 mm high on top of the element, Spruce with the characteristics of C24 (cf. EN338 & PEFC labelled). - Available with or without a breathable membrane between the counter battens and the gas diffusion tight multi-layered facing.

Application(s)

Thermal insulation for pitched roofs, supported by and fixed on a purlin structure, spans according to the Recticel guidelines.

Board

Description	Value	Unit	Tolerances	Standard
Dimensions				
Length	3600 up to 6500 (m 300mm increments)	mm		
Width	1200 (1185 net)	mm		
Thickness	145, 160, 180, 200	mm	T2	EN 823
Density (PIR core volume weight)	± 30	kg/m³		
Appearance				
Facing	Gas diffusion tight multi-layer facer on both sides.			
Edge finishing	Shiplapped on the two longitudinal sides.			

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Recticel Insulation

Enterprise Way, Whittle Road, Meir Park, Stoke-on-Trent, Staffordshire, ST3 7UN, UK

www.recticelinsulation.co.uk

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Other properties

Rectivent[®] flexible underlay sheet, breathable membrane suitable for pitched roofs (adhesively bonded to the insulation board, double-sided tape and liner on long edge).

Material: PP-Fleece

Thickness: 0.6 mm

Vapor permeability: $\mu\text{d}/\text{sd}$: 0.025 m

UV-Resistance: 12 weeks (moderate European climate)

Outdoor exposure as a temporary cover: 4 weeks

Resistance to water passage (EN 1928-A) : W1

Essential Characteristics

Description	Standard	EN code	Value	Unit
Thermal conductivity (declared value)				
All thicknesses	EN 13165	λ_D	0.023(PUfoam)	W/mK
Mechanical properties				
Fire behaviour				
Reaction to fire (product as such)	EN 13501-1	Euroclass	F	
Hygrometric properties				
Water vapour diffusion resistance factor (Tabulated value PIR)	EN ISO 10456	μ	50-100	

Insulation Values

Thickness (mm)	λ_D -value (W/mK)	R_D -value (m ² K/W)
145	0.023	6.30
160	0.023	6.95
180	0.023	7.80
200	0.023	8.65

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Standards & Certificates

Standards

Product standard	EN 13165:2013 + A2:2016
Production	ISO 9001:2015

Certificates

VOC	A
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Other / Miscellaneous

Production Plant

Bourges	Recticel SAS 1 Rue Ferdinand de Lesseps F. 18000 Bourges
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Handling / Maintenance

Storage	The packaging in which the product is supplied, is not suitable for outside storage. Boards should be kept dry, stored clear of the ground and covered with a weatherproof sheet. Boards that have been allowed to get wet should not be used.
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