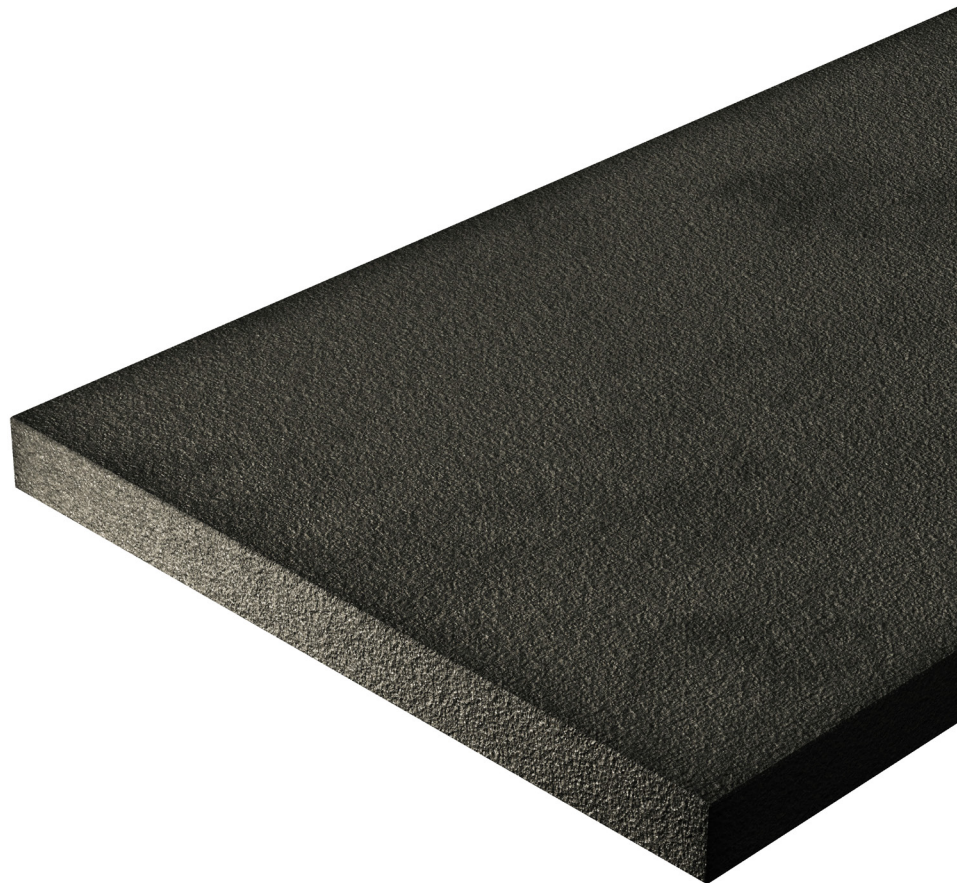


ProTherm

CelGlas Warm Roof Insulation

Product Data Sheet



A warm roof insulation board manufactured from specially graded recycled glass ($\geq 60\%$) and natural raw materials which are available in abundant supply (sand, dolomite & lime).

Product Data Sheet

General Information

ProTherm CelGlas is a warm roof insulation board manufactured from specially graded recycled glass ($\geq 60\%$) and natural raw materials which are available in abundant supply (sand, dolomite & lime). The insulation is totally inorganic, contains no ozone depleting propellants, flame resistant additives or binders.

For use with PermaQuik PQ6100, EshaFlex and EshaPlan roofing systems as table 1.

Certificates

ISO 9001 (2000) Quality Management System, ISO 14001 :2004 Environmental Management System.

Installation Instructions

Apply ProTherm CelGlas insulation boards parallel to roof perimeter long edges. Stagger end joints.

Lay ProTherm CelGlas insulation boards with edges in moderate contact without forcing.

Cut ProTherm CelGlas insulation to fit neatly to perimeter blocking and around penetrations through roof, when using a 2nd layer stagger joints of insulation from first layer.

Cut ProTherm CelGlas boards to slope for a distance of 600mm back from roof drains for positive drainage.

Apply no more ProTherm CelGlas insulation than can be covered with aggregate ballast/ concrete roof pavers/green roofing in the same day.

Delivery conditions

Delivery form

Shrunk wrapped on a pallet, quantity depending on board thickness.

Storage and transport

During shipment, storage, installation and use, this material should not be exposed to flame or other ignition sources. This material contains a halogenated flame retardant additive system to inhibit accidental ignition from small fire sources

Product identification

Information on the pack;

Product name.

Dimensions.

Approvals.

Production date.

This information given in good faith and is based on the latest knowledge available to Radmat Building products Ltd. Whilst every effort has been made to ensure that the contents of the publication are current while going to press, customers are advised that products, techniques and codes of practice are under constant review and liable to change without notice.

For further information on Radmat products and services please call **01858 410372**, email techenquiries@radmat.com or visit our website www.radmat.com

Product Data Sheet

Product description															
Appearance top side					Black face										
Core					Black color, recycled glass and natural raw materials (EN13167)										
Appearance bottom side					Black face										
Pack content															
Thickness (mm)	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
Length (mm)	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600
Width (mm)	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450
M2 pack	3.2	2.7	2.2	1.9	1.6	1.6	1.4	1.4	1.1	1.1	1.1	0.8	0.8	0.8	0.8
No. Boards	12	10	8	7	6	6	5	5	4	4	4	3	3	3	3
Declared performance															
Essential Characteristics					Performance				Unit			Standard			
Density (± 10%)					115				kg/m³			EN 1602			
Thickness ± 2 mm					from 40 to 180				mm			EN 823			
Length ± 2 mm					600				mm			EN 822			
Width ± 2 mm					450				mm			EN 822			
Thermal conductivity					D ≤ 0.041				W/(m·K)			EN ISO 10456			
Reaction to fire					Euroclass A1				-			EN 13501-1			
Point load					PL ≤ 1.5 mm				mm			EN 12430			
Compressive strength					CS ≥ 600				kPa			EN 826 annexe A			
Bending strength					BS ≥ 450 kPa				kPa			EN 12089			
Tensile strength					TR ≥ 150 kPa				kPa			EN 1607			
Thermal diffusivity at 0°C					4.2 x 10-7				m²/sec			-			
Flexural modulus of elasticity					700				m²/sec			-			
BRE Green Guide Rating					A				-			-			
Certificate natureplus					0406-1101-101-1				-			-			

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