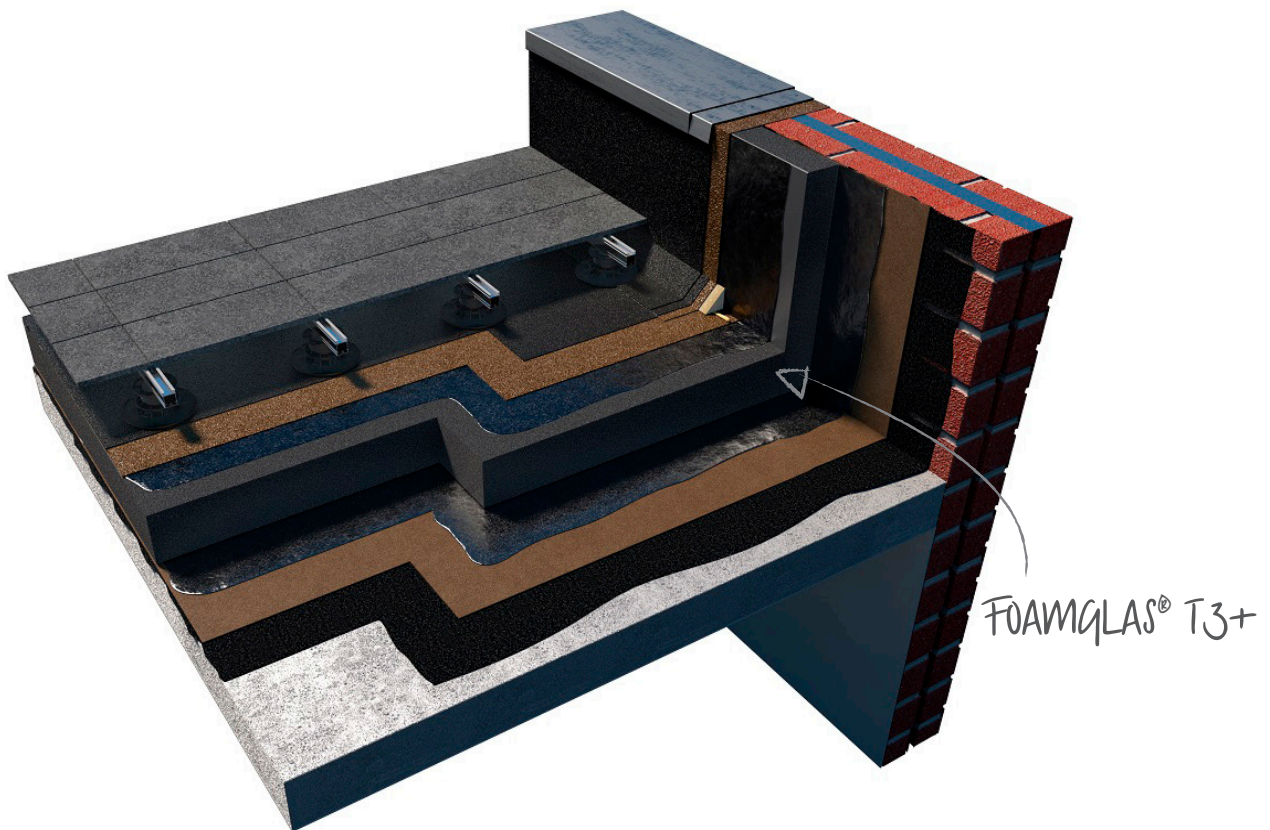


FOAMGLAS[®] T3+

Product Data Sheet



FOAMGLAS® T3+

Warm Roof Insulation

General Information

FOAMGLAS® T3+ is manufactured from specially graded recycled glass ($\geq 60\%$) and natural raw materials which are available in abundant supply (sand, dolomite, lime etc). The insulation is totally inorganic, contains no ozone depleting propellants, flame resistant additives or binders. Without VOC or other volatile substances. For use with Radmat waterproofing systems.

Features

- Non-combustible
- Time tested thermal performance
- Waterproof
- Resistant to attack
- High compressive strength
- Acid resistant/Chemical resistant
- Impervious to water vapour
- Dimensionally stable
- Ecological
- Radon protection

Application

Insulation of:

- flat roofs: concrete, metal deck and special roofs.
- façades.
- interior insulation: walls, ceilings, floors.

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.

THERMAL RESISTANCE (R-VALUE)

Thickness (mm)	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
RD [m ² K/W]	1.35	1.65	1.90	2.20	2.50	2.75	3.05	3.30	3.60	3.85	4.15	4.40	4.7	5.0	5.25	5.55

FORM OF DELIVERY (CONTENT PER PACKAGE)

Thickness (mm)	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
Length (mm)	600	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	450
Boards	10	8	7	6	6	5	5	4	4	4	3	3	3	3	3	3
Square metres	2.70	2.16	1.89	1.62	1.62	1.35	1.35	1.08	1.08	1.08	0.81	0.81	0.81	0.81	0.81	0.81

PALLET INFORMATION

Thickness (mm)	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
Length (m)	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21
Width (m)	1.03	1.00	1.00	1.01	1.08	1.03	1.10	1.00	1.05	1.12	1.01	1.00	1.02	1.19	1.15	1.20
Height (m)	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
Packs per pallet	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Square metres	32.4	25.92	22.68	19.44	19.44	16.2	16.2	12.96	12.96	12.96	9.72	9.72	9.72	9.72	9.72	9.72

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DECLARED PERFORMANCE

Essential Characteristics	Performance	Unit	Standard
Density (± 15%)	100	kg/m³	EN 1602
Thickness ± 2 mm	from 50 to 200	mm	EN 823
Length ± 2 mm	600	mm	EN 822
Width ± 2 mm	450	mm	EN 822
Thermal conductivity	$\lambda_D \leq 0.036$	W/(m·K)	EN ISO 10456
Point load	PL ≤ 1.5 mm	mm	EN 12430
Compressive strength	CS ≥ 500	kPa	EN 826 annexe A
Bending strength	BS ≥ 450	kPa	EN 12089
Tensile strength	TR ≥ 150	kPa	EN 1607
Compressive creep	CC (1.5/1/50) 225	-	EN 1606
Environmental Product Declaration	EPD-PCE-20150042-IBA1-DE	-	ISO 14025 and EN 15804
BRE Green Guide Rating	A	-	-
Certificate natureplus	0406-1101-101-1	-	-
Reaction to fire classification			
FOAMGLAS® SLAB T3+ (unfaced)	A1 non-combustible	-	EN 13501-1
FOAMGLAS® READY BLOCK T3+ (Bitumen-coated upper face)	E combustible (Core material: A1)	-	
FOAMGLAS® ROOF BLOCK G1 T3+ (White glass fleece upper face)			
Service temperature limits	from -265°C to +430°C		
Water vapour resistance (EN ISO 10456)	μ = ∞		
Hygroscopicity	zero		
Capillarity	zero		
Melting point (cf DIN 4102-17)	>1000 °C		
Thermal expansion coefficient (EN 13471)	9 x 10 ⁻⁶ K ⁻¹		
Specific heat (EN ISO 10456)	1000 J/(kg·K)		

¹⁾ CE-marking ensures conformity with the mandatory essential requirements of CPD as mentioned in EN 13167; within the CEN Keymark certification all mentioned characteristics are certified by an empowered, notified and accredited 3rd party.

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

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