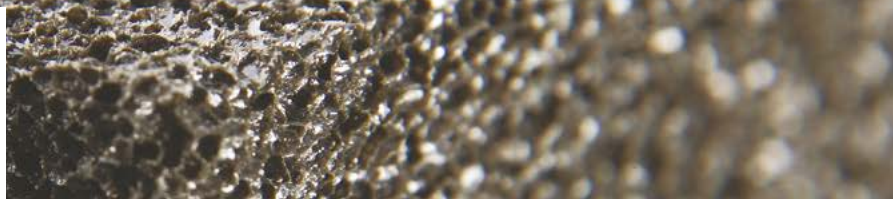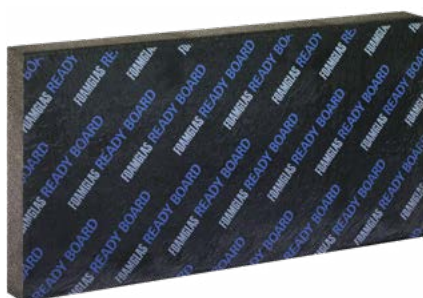# FOAMGLAS®

PRODUCT DATA SHEET
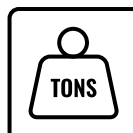
FOAMGLAS® READY BOARD T4+

FOAMGLAS® READY BOARD T4+ consists of FOAMGLAS® T4+ slabs bonded together with bitumen and lined with a PE foil that allows direct torch-on of waterproofing membranes. The lower side of the board is lined with a white glass fleece.
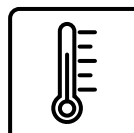
CE **EPD** **FM APPROVED**

Product features

impermeable	high compressive strength	thermal performance	dimensionally stable	pest-proof
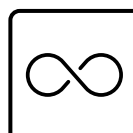
vapour-tight	durable	resistant to acid	resistant to radon gas
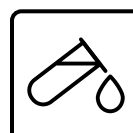
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Applications

Roofing insulation allowing for torch-on waterproof membranes:
- warm roof applications (flat and pitched) including concrete, timber and metal substrates
- heavy load roofs including vehicle access and equipment plant
- podium insulation

Dimensions

Length x width (mm)	1200 x 600					
Thickness (mm)	40	50	60	80	100	120
R_D (m²K/W)	0.95	1.20	1.45	1.95	2.40	2.90

Length x width (mm)	1200 x 600				
Thickness (mm)	140	150	160	180	200
R_D (m²K/W)	3.40	3.65	3.90	4.35	4.85

Other dimensions and thicknesses are available on request.

<table>
<tr><td>Product characteristics conforming to EN 13167</td><td>Density (EN 1602) ± 15%</td><td>110 kg/m³</td></tr>
<tr><td></td><td>Thickness (EN 823) ± 2 mm</td><td>40 - 200 mm</td></tr>
<tr><td></td><td>Length (EN 822) ± 5 mm</td><td>1200 mm</td></tr>
<tr><td></td><td>Width (EN 822) ± 2 mm</td><td>600 mm</td></tr>
<tr><td></td><td>Thermal conductivity (EN ISO 10456)</td><td>$\lambda_D \leq 0.041$ W/(m·K)</td></tr>
<tr><td></td><td>Reaction to fire (EN 13501-1)</td><td>Euroclass E</td></tr>
<tr><td></td><td>Point load (EN 12430)</td><td>≤ 1.5 mm</td></tr>
<tr><td></td><td>Compressive strength (EN 826 annexe A)</td><td>≥ 600 kPa</td></tr>
<tr><td></td><td>Compressive creep (EN 1606)</td><td>(1.5/1/50) 225</td></tr>
<tr><td></td><td>Bending strength (EN 12089)</td><td>≥ 450 kPa</td></tr>
<tr><td></td><td>Tensile strength (EN 1607)</td><td>≥ 150 kPa</td></tr>
</table>

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

Certificates

Keymark certificate	Environmental Product Declaration
FM approved	

General FOAMGLAS® characteristics

FOAMGLAS® insulation is made of recycled glass and natural raw materials which are available in abundant supply (sand, dolomite, lime, etc.). The insulation is inorganic, contains no ozone depleting propellants, flame resistant additives, binders, Volatile Organic Compounds (VOC's) or other volatile substances.

Water vapour resistance (EN ISO 10456)	$\mu = \infty$
Hygroscopicity (EN ISO 12571)	zero
Capillarity (EN 1015-18)	zero
Thermal expansion coefficient (EN 13471)	9×10^{-6} K^{-1}
Specific heat (EN ISO 10456)	1000 J/(kg·K)