

Product Data Sheet

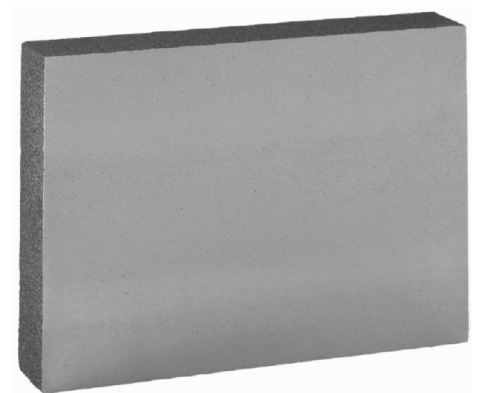
HYTHERM[®] CG INVERTED Insulation

Hytherm CG Inverted insulation is a non-combustible, cellular glass insulation board with a pre-applied inorganic coating*. For use in Axter inverted systems including hot melt and thermally-activated adhesive bitumen.

Hytherm CG Inverted 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.

Hytherm CG Inverted is available in a range of flat board thicknesses for use on extensive living roofs, ballasted roofs, pedestal and paved roofs and roofing upstands.

Manufacturer's Keymark certificate is available.



*The shade of grey coating can vary by batch.

Key benefits

- Non-combustible and achieves a Euroclass reaction to fire classification of A1.
- Impermeable.
- Dimensionally stable.
- Resistant to vermin.
- Vapour-tight.
- High compressive strength.
- Resistant to acid.

Thicknesses

Length x width (mm)	600 x 450		
Thickness (mm)	100	140	200

Technical information

Product characteristics to EN 13167	Unit	Value	Standard
Density ($\pm 15\%$)	kg/m ³	95	EN 1602
Thickness ± 2 mm	mm	100 - 200	EN 823
Length ± 2 mm	mm	600	EN 822
Width ± 2 mm	mm	450	EN 822
Thermal Conductivity	W/m·K	$\lambda_D \leq 0.038$	EN ISO 10456
Reaction to fire	Euroclass	A1	EN 13501-1
Point load	mm	≤ 1.5	EN 12430
Compressive strength	kPa	≥ 400	EN 826 Annex A
Compressive creep	-	(1.5/1/50) 225	EN 1606
Bending strength	kPa	≥ 400	EN 12089
Tensile strength	kPa	≥ 100	EN 1607
Water absorption on short term	kg/m ²	≤ 0.5	EN 1609
Water vapour transmission	-	∞	EN 12086

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

Thermal performance

Please contact Axter Ltd for project specific U-value calculations.

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