

Climate EPS Insulation Board for External Wall Insulation



Sundolitt's high performance Climate expanded polystyrene (EPS) Insulation board is the perfect solution for external wall insulation (EWI) systems. The thermally efficient boards will help to improve the energy efficiency of a building by reducing heat loss, as well as improving the building aesthetics and increasing its lifespan.



Suitable for use with all render systems



Lambda value of 0.030W/mK



Cost and energy savings



Maintains thermal performance through its lifetime application



Fast and safe installation with adhesive and mechanical fixings



Excellent environmental credentials



100% recyclable



Cost effective option for EWI systems

Use 90mm- thickness Climate EPS Insulation Board to achieve current thermal performance requirements

Climate EPS will maintain its thermal performance for the lifetime of the building



For more information, get in touch with our technical sales team

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A business built on air

Energy saving solution

The use of Climate EPS offers benefits and savings for both households and the environment. The use of Climate EPS Insulation board can achieve energy savings for householders of up to £375 per year on heating bills depending on property type. The boards also reduce the buildings overall ecological footprint by offering a reduction in CO2 emissions of up to 1540Kg per year.

Suitable for all render systems

Compatible with all render systems, Climate EPS can be used with acrylic and silicone-based renders, traditional sand and cement, as well as lime-based renders. As a stable material, that is unaffected by moisture or freeze/thaw cycles, Climate EPS ensure the performance of the weatherproofing render enabling the protection of the whole building against the damaging effects of weather.

Cost effective option

Over 60% cost saving can be achieved by using Sundolitt Climate insulation boards as part of an EWl system when compared to other insulation materials. Plus, grant funding is available for EWl installation for existing solid walls as part of the Government's drive to improve housing stock. The Green Grant scheme which is available to householders has been extended to 2022, making installation more affordable.

Fast and safe to install

Climate EPS is the only insulation type suitable for use with adhesive bonded-only external wall insulation systems. Using adhesive only enables a much faster installation, saving time and money on site. The boards can also easily be mechanically fixed if required by the EWl system designer and/or installer. Climate EPS boards are non-toxic and non-irritant and the material's lightweight nature makes it easy to install and handle. Cutting and shaping is simple using a fine-toothed saw or hot-wire cutter.

Excellent environmental credentials

100% recyclable, Climate EPS is not harmful to the environment either in manufacture or use and has an Ozone Depletion Potential of zero and a Global Warming Potential of < 5. Meeting the requirements for environmental design, the material achieves an A+ rating in the BRE Green Guide.



Standard sizes available

Characteristic	Dimensions (mm)
Length	1200
Width	600
Thickness	20-300

Climate Insulation Board – Physical Properties

EPS type	Thermal conductivity W/mK	Compressive Stress at 1% nominal compression kPa	Compressive Stress at 10% nominal compression kPa	Bending strength kPa	Water absorption by immersion vol%	Dimensional stability at 23°C	Reaction to fire
CE70	0.031	20	70	115	< 5	± 0.5	Euroclass E
CE100	0.030	45	100	150	< 5	± 0.5	Euroclass E

Accreditation

Sundolitt Climate Insulation Board is manufactured in accordance with BS EN ISO 13163.

✓ QMS
ISO 9001
Registered Company

✓ EMS
ISO 14001
Registered Company

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