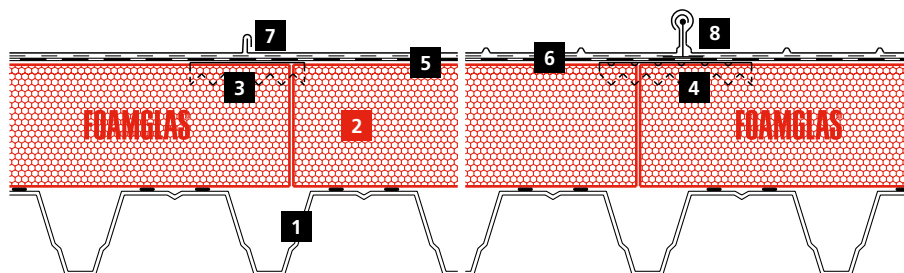


Ready-Roof with standing seam or profiled metal sheet cladding on trapezoidal metal deck

FOAMGLAS® READY BOARD with cold adhesive PC® 11 and PC® serrated fixing plates

Schematic drawing



System 4.6.3

- 1 Trapezoidal metal deck
- 2 FOAMGLAS® READY BOARD, bonded with PC® 11
- 3 Serrated fixing plate PC®SP 150/150
- 4 Serrated fixing plate PC®SP 200/200
- 5 Bituminous waterproofing membrane
- 6 Separating layer
- 7 Standing seam metal sheet
- 8 Profiled metal sheet

Advantages of the FOAMGLAS® system

Waterproof – Resistant to vermin – High compressive strength – Non-combustible – Impervious to water vapour – Dimensionally stable – Acid resistant – Easily cut to shape – Ecological

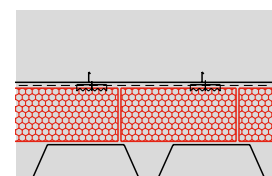
Advantages of the FOAMGLAS® system

- **Quality:** Systems with high quality materials. Quality management by systematic site inspections and professional consulting.
- **Cost efficiency:** The high durability preserves maximum value and guarantees minimal maintenance costs.
- **Sustainability:** Optimum insulation and protection against moisture for generations.
- **Safety:** Compact, fully bonded waterproofing system preventing large-scale damages and renovations in the event of a leak caused by a puncture of the roofing membrane. No penetrations by mechanical fastening. No risk of condensate due to air leakage.
- **Functionality:** Easy and efficient application of the insulation. A bituminous waterproofing membrane can be directly torched on to it. Insulation and vapour barrier in one single functional layer. Fixing of the metal roof cladding without thermal bridges. Easy and space-saving warm roof construction.

Recommendations for architects

- Normally used: FOAMGLAS® READY BOARD T4+, size 600/1200 mm.
- Insulation thickness to meet building regulations or project-specific U-value requirements. Please also consult our product overview. It contains information on all our products, their field of application and their specific properties.
- For the metal cladding a minimum gradient of 5 % (3 degrees) has to be observed.
- **A stop profile should be fixed to the deck at the bottom of the roof slope. The number of serrated fixing plates has to be calculated by the manufacturer of the metal cladding.**
- **The characteristics of the steeldeck such as thickness, deflection, trough opening etc. are very important to choose the right type, thickness and/or application method of FOAMGLAS® (see TG1). Please contact our Technical Department to verify the criteria of the chosen steeldeck.**
- **For technically correct implementation, relevant standards and guidelines must be observed.**

Solutions for technical details and specification clauses on request. Further proposals and solutions are available any time from our technical consultants. **Updated: May 2014.** We explicitly reserve the right to change the technical specifications. The current values can be found on our website under: www.foamglas.co.uk/building/applications



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FOAMGLAS® READY BOARD with cold adhesive PC® 11 and PC® serrated fixing plates

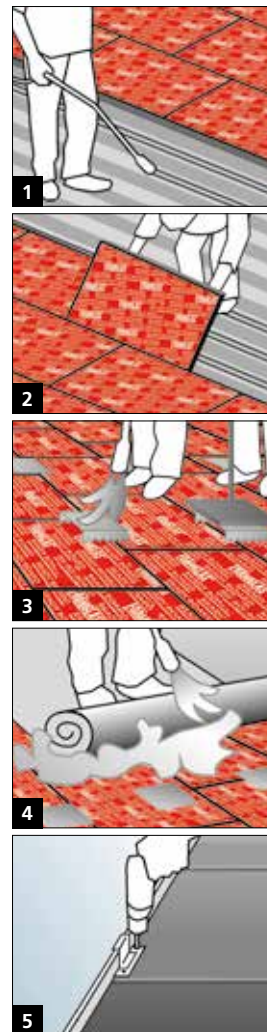
System 4.6.3

Installation instructions

- Clean and degrease the crowns of the profiled metal deck.
- Apply the FOAMGLAS® READY BOARDS with staggered and tight-butted joints with cold adhesive PC® 11, coverage ~ 1.0 kg/m²:
Apply the cold adhesive PC® 11 in strips with a special pump to the tops of the trapezoidal sheets and bond the FOAMGLAS® READY BOARDS. In case of high requirements related to building physics (e. g. temperature and humidity in swimming pools), seal the joints. (1/2)
- Measuring and placing of the serrated fixing plates PC® SP 150/150, size 150 x 150 mm for standing-seam metal claddings or PC® SP 200/200, size 200 x 200 mm for claddings with profiled metal sheets. Number and spacing dependent on system specific requirements and wind loads. Press in and bond the serrated fixing plates, while simultaneously heating up the bitumen layer lying underneath. (3)
- Torch on one layer of polyester-reinforced bituminous waterproofing membrane onto the full surface. Joints tight-butted, torched and sealed. (4)
- Separating layer according to the specifications of the metal cladding supplier and the acoustic requirements.
- Install the desired standing seam or profiled metal cladding. Fasten the fixing clips with appropriate self-drilling screws into the serrated fixing plates. (5)

Recommendations for the contractor

- The build up and tolerances of the substrate have to be in accordance with relevant standards and guidelines.
- Ambient temperature and temperature of adhesive should not be below +5°C.
- A layer of waterproofing membrane must be applied immediately after the insulation has been installed.
- Adequate measures should be taken in order to avoid any risks of damage by other contractors during construction.
- Protect sensitive components provided by other suppliers against blobs of adhesive and the effect of heat.
- The special pump for the application of the bituminous cold adhesive can be obtained from our company.
- **Please contact our technical consultants; they can help you by providing support or on-site assistance free of charge.**



The technical guidelines for the application and the installation of FOAMGLAS® are based on historical experience and general sitepractice. They do not reflect individual examples. We therefore assume noliability as to the completeness and the suitability for a specific project. Furthermore, our liability and responsibility are subject to our generalconditions of sale which are not extended either by this technical data sheetnor by the consulting of our technical sales representatives.

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