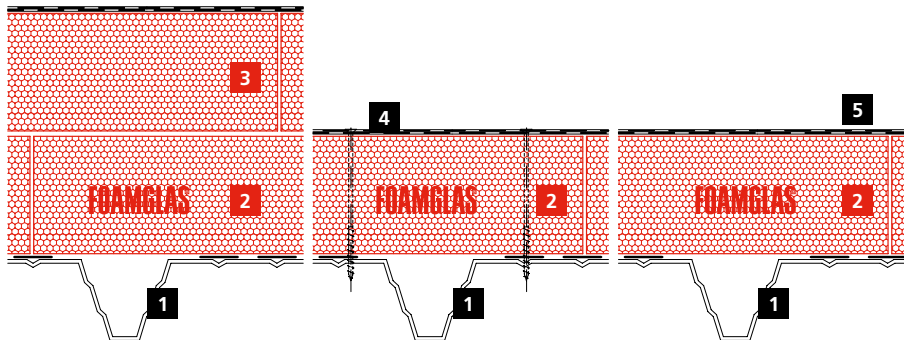


## Ready-Roof without service access or protective layer on trapezoidal metal deck

FOAMGLAS® ROOF BOARD G2 or FOAMGLAS® ROOF BLOCK G1 with cold adhesive Royal Millennium One Step Green

### Schematic drawing



### System 4.1.10

- 1 Trapezoidal metal sheet
- 2 FOAMGLAS® ROOF BOARD G2 or FOAMGLAS® ROOF BLOCK G1, bonded with Royal Millennium One step Green
- 3 FOAMGLAS® READY BOARD or FOAMGLAS® READY BLOCK (in case of multi layer system)
- 4 Waterproofing membrane mechanically fixed
- 5 Fleece backed waterproofing membrane, bonded with a cold adhesive

### FOAMGLAS® product properties

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

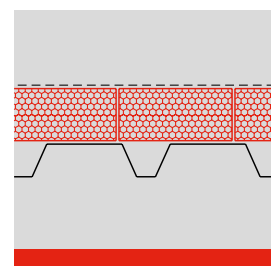
### Advantages of FOAMGLAS®

- **Quality:** Systems with high quality materials. Quality management offered 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:** Use of ecological, green products.
- **Functionality:** Easy and efficient application of the insulation.

### Recommendations for architects

- Normally used: FOAMGLAS® ROOF BOARD G2 size 600/1200 mm or FOAMGLAS® ROOF BLOCK G1 size 450/600.
- In case of buildings with a high humidity level, please contact our Technical Department.
- 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 use of FOAMGLAS® under load bearing conditions, the project/structural engineer must check the admissible loads.
- The use of FOAMGLAS® ROOF BLOCK G1 and FOAMGLAS® READY BLOCK will result in more joints.
- **The flatness and the general conditions of the substrate are important criteria when using FOAMGLAS® (see TG1). Please contact our Technical Department to verify the criteria for the substrate.**
- **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: April 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](http://www.foamglas.co.uk/building/applications)



## Ready-Roof without service access or protective layer on trapezoidal metal deck

FOAMGLAS® ROOF BOARD G2 or FOAMGLAS® ROOF BLOCK G1 with cold adhesive Royal Millennium One Step Green

### System 4.1.10

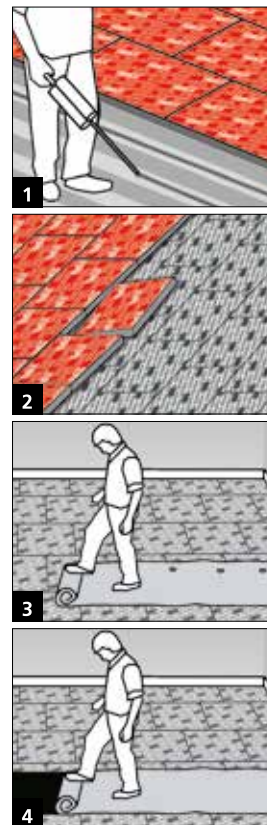
#### Installation instructions

- The surfaces of the profiled metal deck should be clean, dry, free of dirt, dust, debris, oils, etc. to obtain a sound and even substrate.
- In case of refurbishment or a dirty surface apply an adapted primer or surface treatment prior to the application of the Royal Millennium One Step Green adhesive.
- Remove the moulded tips from the mixing head at the groove.
- Attach the mixing tip to the threaded mixing head.
- Place the cartridge into the appropriate applicator. The applicator is delivered by the adhesive manufacturer.
- Apply the Royal Millennium One Step Green adhesive directly to the top surface of the profiled metal deck. One bead every 30 cm in the same directions as the top of the profiled metal deck. (on standard profiled metal decks this corresponds with one bead on every top surface), to achieve the right coverage rates. Coverage ~ 180 g/m<sup>2</sup>.  
Once the adhesive is applied, immediately install the FOAMGLAS® ROOF BOARD G2 or the FOAMGLAS® ROOF BLOCK G1 with the naked side or fiberglass side into the fresh adhesive. Set time of the adhesive is 4 to 8 minutes. (1)
- In case of high requirements related to building physics (e.g. temperature and humidity in swimming pools), please contact our Technical Department.
- Un-used material can be kept in the cartridge. It can be applied at a later date by simply plugging the cartridges and using a new mixing nozzle.
- Possible finishing:  
Apply a second layer FOAMGLAS® according to the relevant TDS (multi layer prescription roofs). (2)  
Or apply a mechanically fixed waterproofing membrane according to the prescription of the supplier. (3)  
Or apply a fleece backed waterproofing membrane glued with a cold adhesive. (4)

#### Recommendations for the contractor

- Prior to working with any product, be sure to read labels and the Material Safety Data Sheet (MSDS). Take necessary health and safety precautions.
- The build-up and tolerances of the substrate have to be in accordance with relevant standards and guidelines.
- Ambient temperature and surface temperature till -10 °C is not an issue for the adhesive.
- Temperature of the adhesive should be 18 °C to 29 °C at least 24 hours prior to the application.
- Do not store the adhesive in direct sunlight or temperature higher than 32 °C.
- A layer of waterproofing membrane must be applied immediately after the insulation has been installed.
- Protective layers should be applied immediately after the application of the (final) waterproofing layer(s).
- 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 effects of heat.
- The special applicator for the application of the cold adhesive can be obtained from the manufacturer of the adhesive.
- The use of FOAMGLAS® ROOF BLOCK G1 and FOAMGLAS® READY BLOCK will result in more joints.
- **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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