

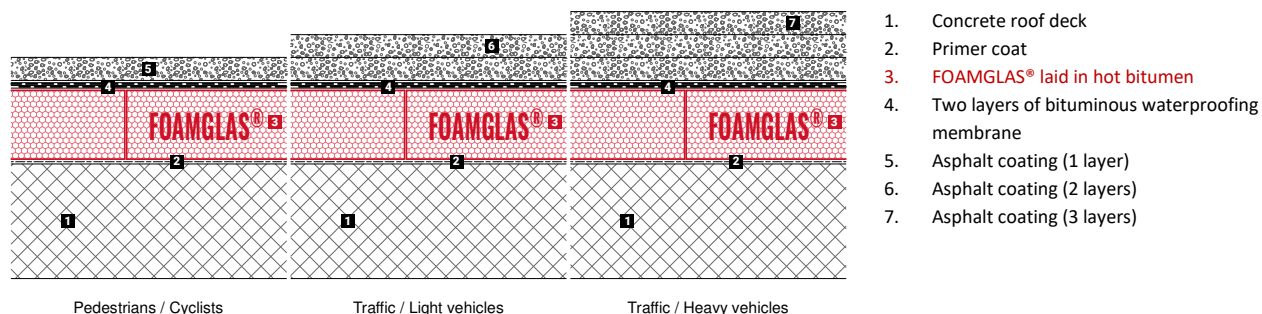
Roof Top Car Deck with concrete asphalt

FOAMGLAS® with hot bitumen



Schematic drawing

System 4.5.15

**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 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 insulation system preventing large-scale damage and refurbishment in the event of a leak caused by a puncture of the roofing membrane.
- **Functionality** : Insulation and vapour barrier in one single functional layer. Flexible and easy installation of a gradient through prefabricated tapered slabs.

Recommendations for architect

Normally used for pedestrian and cyclist traffic:

FOAMGLAS® READY S3 (60 x 45 cm),

FOAMGLAS® TAPERED READY S3 (60 x 45 cm).

Normally used for light and heavy vehicle traffic:

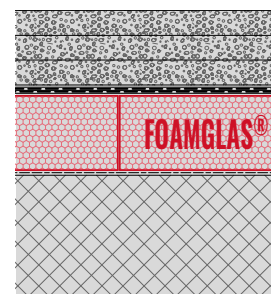
FOAMGLAS® READY F (60 x 45 cm),

FOAMGLAS® TAPERED READY F (60 x 45 cm).

- Insulation thickness to meet building regulations or the 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 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 a 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: **07/02/2024**.

We explicitly reserve the right to change the technical specifications. The current values can be found on our website under: www.foamglas.com/en



Roof Top Car Deck with concrete asphalt

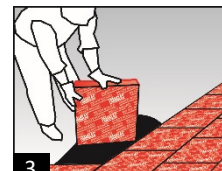
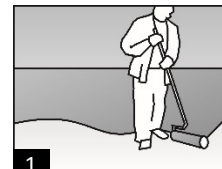
FOAMGLAS® with hot bitumen

**System 4.5.15****Installation instructions**

- Install primer with roller (or spraying equipment) on the clean and dry concrete surface, coverage ~ 0.3 l/m². (1)
- Apply the FOAMGLAS® slabs fully bonded to the substrate with hot bitumen poured from a bitumen can, with staggered and bitumen-filled butted joints. Coverage ~ 5.0 – 7.0 kg/m², dependent on the thickness of the insulation. Dip a short and a long side of the slab in the poured bitumen and press into position against already laid slabs. Excess bitumen spilt on the sides must be removed with the next slab to avoid irregularities. (2 / 3)
- 1st waterproofing layer torched on top of the FOAMGLAS® liner. (4)
- 2nd layer torched on the first layer. Joints overlapped by at least 100 mm, with staggered courses. (5)
- Apply a protective layer of asphalt coating according to its manufacturer's instructions.
- Dimensions of the asphalt coating are given by the designer / engineering design office.

Recommendations for the contractor

- The build up and substrate tolerances must be in accordance with relevant standards and guidelines.
- Substrate and ambient temperature should not be below + 2° C.
- Protect sensitive components provided against blobs of hot bitumen and the effect of heat.
- A finish coat / waterproofing membrane should be applied immediately after the insulation has been installed. Do not leave insulation exposed.
- Heavy traffic areas and heat-sensitive building elements must be protected.
- Please contact our technical agents for support or on-site assistance.



The technical guidelines for the application and the installation of FOAMGLAS® are based on historical experience and general site practice. They do not reflect individual examples. We therefore assume no liability as to the completeness and the suitability for a specific project. Furthermore, our liability and responsibility are subject to our general conditions of sale which are not extended either by this technical data sheet nor by the consulting of our technical sales representatives.

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