

Senergy® - FOAMGLAS® EIFS system

External Insulation Façade System
 NFPA 285 Standard Fire Test Approved

FOAMGLAS®
 Building

BASF
 We create chemistry



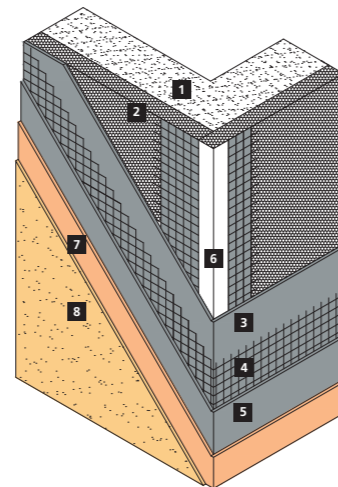
Fire Test
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The Senergy®-FOAMGLAS® system

The Senergy®-FOAMGLAS® system is a non-combustible insulation multilayered exterior wall system consisting of:

- Senergy® adhesive and optional secondary weather barrier
- FOAMGLAS® inorganic cellular glass insulation board
- Senergy® cementitious polymer modified base coat
- Senergy® finish coat



Typical corner detail

- 1 Structural wall
- 2 FOAMGLAS® W+F insulation
- 3 SENERGY® Alpha Dry Base Coat
- 4 FLEXGUARD 4 Reinforcing Mesh
- 5 SENERGY® Alpha Dry Base Coat
- 6 Corner bead with mesh
- 7 Tinted primer
- 8 SENERGY® Finish



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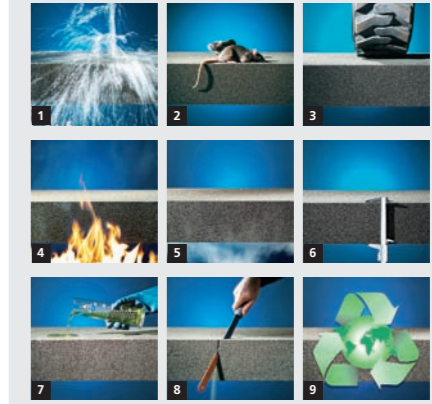
The Senergy® - FOAMGLAS® system has been **tested successfully** in accordance with NFPA 285 Standard Fire Test Method for evaluation of fire propagation characteristics of exterior non-load bearing wall assemblies containing combustible components.

The test showed outstanding fire behavior far below the critical limit regarding fire extension and smoke development.

The test is available on request.

Ask for test PC180 by Thomas Bell Wright Laboratory.

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- 1 Waterproof
- 2 Vermin proof
- 3 High compressive strength
- 4 Non-combustible
- 5 Impervious to water vapour
- 6 Dimensionally stable
- 7 Acid and chemical resistant
- 8 Easy to cut
- 9 Ecological

FOAMGLAS® by Pittsburgh Corning Europe ... all benefits in one product

FOAMGLAS® cellular glass is a lightweight, rigid insulating material composed of millions of hermetically sealed glass cells. This inorganic closed-cell structure provides **unmatched physical properties**, ideal for the building envelope.

FOAMGLAS® cellular glass insulation is the result of more than **70 years of proven performance** and continual product improvement by Pittsburgh Corning Corporation.

FOAMGLAS® is **totally impervious to water and vapour**, it will not absorb any water and will keep lifelong performance.

FOAMGLAS® is an **ecological product**, certified to standards of health and indoor air quality in buildings.

FOAMGLAS® insulation will not burn, because it consists of pure glass (ASTM E 136). Classification according to ASTM E 84, smoke development and flame spread – zero.





www.foamglas.com

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Senergy[®] by BASF

Senergy[®] Exterior Insulation and Finish Systems by BASF, are highly decorative, multilayered, insulating and protective finish systems for exterior walls providing excellent weather protection.

Senergy[®] EIFS come in a broad selection of shapes, colours and textures than can replicate almost any architectural style or finish material.

Senergy[®] 100% acrylic finish coats can be troweled or sprayed, providing a durable, crack and weather resistant surface and giving the system a customized appearance.

Senergy[®] FOAMGLAS[®] specification

The Exterior Insulation and Finish System shall be Senergy[®] - FOAMGLAS[®] manufactured by BASF Construction Chemicals UAE LLC and Pittsburgh Corning Europe. The system shall be designed to meet the thermal performance requirements of the project.

The system shall be tested to NFPA 285 and approved by the relevant Authorities. The Senergy[®] - FOAMGLAS[®] EIFS shall be installed by a trained and approved applicator in accordance with the published data from BASF Construction Chemicals UAE LLC and Pittsburgh Corning Europe.

- Use Alpha Dry Base Coat to adhere FOAMGLAS[®] W+F in the required insulation thickness to the masonry.
- Apply Alpha Dry Base Coat with Senergy[®] Reinforcing Mesh on the surface of FOAMGLAS[®] W+F.
- Apply Senergy[®] Tinted Primer prior to applying Senerflex[®] Finishes in the required texture and colour.

Sustainable solution

The benefits of Senergy[®] - FOAMGLAS[®] EIFS in green projects are derived from their ability to create an exterior appearance that meets the architects' aesthetic objectives while providing excellent insulation values, fire resistance and waterproofing requirements, at a very attractive price.

BASF and Pittsburgh Corning have been investing for years in the development of innovative and **ecological products** so that, together with our clients, we can do our part in the struggle against global warming.

Incorporating **Senergy[®] - FOAMGLAS[®] EIFS contributes** to the overall project success in addition to realization of targeted sustainability rating systems such as **LEED, Estidama or QSAS**.

Using FOAMGLAS[®] will **contribute to the LEED[®]** credits due to more than **60% recycling glass**.

Pittsburgh Corning Europe

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Senergy[®]

