

FOAMGLAS® CELLULAR GLASS THERMAL INSULATION

SUSTAINABILITY BY DURABILITY

FOAMGLAS® cellular glass insulation is an environmentally sound, socially responsible, and economically beneficial choice for your industrial, commercial or real estate projects. FOAMGLAS® insulation products are the key to Green Building:

- Environmental Stewardship
- Sustainability
- Energy Efficiency
- Healthy Air Quality
- Fire Safety.

NATURAL RESOURCES

FOAMGLAS® cellular glass insulation is 100% glass. It is an insulating material composed of millions of completely closed glass cells. It is manufactured from sand, limestone, other natural occurring materials and selected recycling glass. Regarding emissions, production energy and resources FOAMGLAS® is at the leading edge ecologically, and the ratio between production energy and energy savings achieved by the use of cellular glass pays off for the environment and the client.

VERIFIED GREEN PERFORMANCE

Certifications for “Passive house” construction (Passive House Institute, Darmstadt), natureplus quality seal (Europe), DGNB label (Deutsche Gesellschaft für nachhaltiges Bauen) and enclosure in Green Spec® database (US) recognize that FOAMGLAS® products meet the most stringent requirements regarding environmental and health protection. FOAMGLAS® systems are certified to the French standards HQE (High Environmental Quality, Haute Qualité Environnementale) and have EPD Environmental Product Declaration, (IBU Germany).

OUTSTANDING PRODUCT CHARACTERISTICS

Unique product properties – inherent to glass – make that FOAMGLAS® is neither harmful to the environment nor to health. FOAMGLAS® is a mineral and incombustible building product (European fire rating A1) for thermal insulation with additional functions as the protection against moisture. It is a low emitting material and does not contain ozone depleting substances, flame retardants, VOC's or binding agents, deleterious to health. It does not give off mutagenic or carcinogenic substances or fibres. When used as interior insulation, this means no risks regarding



indoor air quality. In terms of building biology FOAMGLAS® contributes to good residential hygiene, comfortable temperatures, well-being and healthy living.

FOR THE ENTIRE BUILDING ENVELOPE

FOAMGLAS® can be used as below grade insulation to protect bearing walls and foundation rafts on the outside, as façade and roof insulation. Terraces, parking decks and interior insulation for walls, floor and soffits – even under harsh humidity conditions – add to the many areas of application for this sustainable insulation material. FOAMGLAS® solutions are universally suited for renovation and new build, and meet the high demands of passive house standard.

FOAMGLAS® insulation has an exceptional durability. After many years in service, both the physical and thermal properties of this material have proven to remain constant. Real payback, in physical and thermal performance, for many years, is what our clients have come to expect from the global FOAMGLAS® insulation.

FOAMGLAS® is an insulation concept fit for the future that genuinely answers concerns for the environment. The system ensures that all demands on performance, durability, environmental integrity and sustainability are fulfilled. ■

Headquarters Pittsburgh Corning Europe NV,
 Albertkade 1,
 B-3980 Tessenderlo
 Tel: + 32 (0)13 661 721,
 Fax: + 32 (0)13 667 854
 Email: info@foamglas.com
 Website: www.foamglas.com

Images, left to right:
 ZVE Stuttgart-Vaihingen, FOAMGLAS® floor insulation
 VM Bjerget, Copenhagen, BIG architects, FOAMGLAS® compact roof insulation