

FOAMGLAS® INSULATION

FOAMGLAS®

FOAMGLAS® is the proven high performance cellular glass insulation for industrial and building applications.

FOAMGLAS® is produced from unlimited resources of naturally occurring raw materials. Silica sand, dolomite and lime, together with other additives are used to produce a high-quality glass with defined physical properties.

It is then ground into a fine powder and mixed with a small amount of carbon. It is put into stainless steel moulds which pass through a cellulating oven. The carbon and the oxygen from the glass foam to produce millions of hermetically sealed glass cells.

The FOAMGLAS® block is then passed through an annealing furnace to allow carefully controlled cooling of the block.

Raw materials and manufacturing process guarantee the exceptional FOAMGLAS® qualities. The manufacturing process minimises the use of energy by heat recycling ensuring an ecologically sound insulation product.

In the production no ozone depletion gases are used. The installation of FOAMGLAS® does not require any protective measures which exceed common professional care practice. During use FOAMGLAS® is a safe product for health and the environment. This is why ecosensitive engineering offices and owners nowadays prefer FOAMGLAS® solutions.

With low temperature applications – low as -260°C – FOAMGLAS® remains dry on the surface because the material is completely impervious to water vapour. There is neither condensation nor ice forming: a primary condition to avoid risks of damage from corrosion under insulation.

With high temperature applications – up to +430°C – the non-combustibility is a major FOAMGLAS® advantage. It will not absorb flammable gases or media and therefore does not contribute to the development and the propagation of fires.

With cyclical temperatures the principal benefits are the low thermal inertia and the imperviousness to water vapour. FOAMGLAS® minimizes water intrusion and retention and the thermal conductivity will not increase.

The combination of high thermal performance and compressive strength makes FOAMGLAS® the ideal solution for the insulation of storage tank bases and vessels.

For the most demanding conditions in industrial applications proven system solutions are available.

Our Services

Our sales engineers will provide expertise:

- In thermal calculations for services, equipment and details
- With calculation method examples
- With specification guides, worksheets and technical drawings for all FOAMGLAS® applications
- With site instruction to assist the construction manager
- With references, test certificates, expert reports, databases of suppliers and insulation contractors

Deutsche FOAMGLAS® GmbH

Eisfelder Str. 16
98724 Neuhaus am Rennweg
Deutschland

Tel.: +49 (0)3679 72730-128

Fax: +49 (0)2103 24957-35

industry@foamglas.de
www.foamglas.de

