FOAMGLAS® insulation

The insulation for hot storage tank bottoms

FOAMGLAS® insulation for tank bottoms has a reputation of being an insulation material which is both durable and of high compressive strength. For this reason, many storage tanks sit on FOAMGLAS® insulation, which gives easily-obtained additional energy savings. Since the entire surface of the tank bottom is in 100% constant contact with the fluid inside the tank, FOAMGLAS® insulation is a smart choice.

An additional advantage is the short payback time!
Our distinctive properties

**FOAMGLAS® meets all the requirements to be the insulation of choice for tank bottoms.**

The tank wall and its roof are the biggest sources of energy losses when a storage tank is completely filled. Therefore, the bottom of hot tanks is often overlooked. This is changing somewhat when the tank is partially filled. Even if the storage tank is only 10% filled, the tank bottom is always 100% in contact with the hot liquid.

**Thermal insulation**

FOAMGLAS® insulation provides constant thermal resistance.

**Universally applicable**

Regardless of the content and/or material of the tank, all tank floors can be insulated with FOAMGLAS® insulation.

**Compressive strength**

FOAMGLAS® insulation provides a very high compressive strength. Depending on the type of FOAMGLAS®: HLB (High Load Bearing), the compressive strength is up to 1.1 N/mm² (160 psi, 16 000 kg/m²).

**Acts as a vapor barrier**

FOAMGLAS® insulation is an impermeable barrier against rising water vapor and moisture. Thus, it protects against corrosion of the tank bottom.
FOAMGLAS® insulation: the advantages

**Short payback period**

Depending on storage temperature, insulation thickness and energy costs, the payback period when insulating the bottom of your storage tank bottom with FOAMGLAS® insulation can start as low as just a few months to two years.

**Protection of the base slab against high operating temperatures**

FOAMGLAS® insulation protects the substrate (concrete base slab) against high temperatures. This increases safety and longevity.

**Simple design with profitable installation costs**

FOAMGLAS® insulation offers a simple alternative for the insulation of tank bottoms. The installation costs are reduced by the simplicity of construction and the use of economic materials.

**FOAMGLAS® insulation can be installed with a built-in slope**

FOAMGLAS® insulation can be delivered to the project site with a predefined built-in slope which makes it easy to create a fall for drainage. It also makes it possible to work with a flat base slab.

**Long life cycle**

FOAMGLAS® insulation is a proven, durable insulation with a constant insulation value over its life cycle.

**Multifunctional**

FOAMGLAS® insulation gives the dual benefits of insulating and helping to prevent corrosion and can be applied to all types of tanks (including stainless steel storage tanks).