

FOAMGLAS INSULATION

A VALUABLE CONTRIBUTION TO THE PROTECTION OF THE ENVIRONMENT

FOAMGLAS® is a high performance and ecologically sustainable cellular glass thermal insulation for building and industrial applications. Cellular glass offers outstanding system advantages, with extremely high compressive strength, absolutely waterproof and sealed against vapour diffusion. **FOAMGLAS®** is the only insulating material in which the vapour barrier, due to its material structure, is already built in. The principal material in production is recycled glass (60 per cent), with feldspar, sodium carbonate, iron oxide, manganese oxide, carbon, sodium sulphate and sodium nitrate.

MINIMAL ENVIRONMENTAL POLLUTION

Having outstanding qualities (mineral, impermeable to water and vapour, resistant to acids, non-combustible, resistant to high temperatures), cellular glass is a very durable material, significantly reducing maintenance and replacement cycles. Cellular glass does not release harmful or toxic components into the environment. It does not contain greenhouse gases or ozone depleting products, no flame retardant and no contaminative or carcinogenic particles and fibres. The energy used in production is renewable hydro power. When recommended installation instructions are followed, cellular glass insulation does not produce emissions that degrade the environment or health, in production, installation or use.

FOAMGLAS® EXEMPLIFIES SUSTAINABILITY

Its lifetime performance and the savings on energy and emissions of constructions insulated with **FOAMGLAS®** guarantee a real gain & positive energy balance, and exceeds within a few months the energy used and emissions made during the production and disposal processes. Even under conditions of extreme stress **FOAMGLAS®** keeps its performance. Dimensionally stable, environmentally neutral, inorganic, non-rotting and without risk for the groundwater, **FOAMGLAS®** is outstandingly suited regarding sustainable aspects.

RECYCLING

Waste incineration of cellular glass is not a possibility as it is incombustible. Since the material is inert, it



Museum of Islamic Art, Doha. FOAMGLAS® compact roof and façade



FOAMGLAS® compact roof system



FOAMGLAS® façade rendering system

may be used as crushed stone for road construction or infill material. Recycled **FOAMGLAS®** is suitable for these applications, as it is dimensionally stable, neutral for the environment, inorganic, rot-proof and proven to pose no risk to groundwater.

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. ■

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