

# TECHNOpor® Perimeter 50 GLASS FOAM GRANULATE - DATA SHEET INFORMATION

## **In top form – forever**

Non-ageing, dimensionally stable, capable of bearing, resistant to chemicals as well as insect and rodent damage. The original grain size is maintained.

## **Inert**

Meets the highest standards for inert building materials. Leaching tests did not show any resulting adverse environmental effects whatsoever. Can be re-used.

## **Frost proof**

Frost protection instead of frost barrier.

## **Insulating**

Due to the large amount of locked-in air, the insulation values are very good and unlike other insulation materials, glass foam granulate can be utilised in a multitude of applications.

## **Fire resistant**

In compliance with Euro non-flammable Class A1. Sintering point above 700° C.

Due to the inherent properties of glass boosted by the air filled pores, it provides excellent fire protection by preventing heat conduction.

## **Easily installed**

The low weight guarantees fast on-site processing.

Delivery to construction site either in Big Bags or by lorry in bulk.

## **Mineral**

Glass Foam Granulate is a natural product from recycled glass, without vapours or emissions and thus without substances harmful to humans or the environment.

## **Lightweight**

The bulk weight is only 170 kg/m<sup>3</sup>. For comparison: Gravel weighs at least 10 times as much.

## **Provides drainage**

Grain size, distribution and non-existent fine fraction in combination with capillary breaking effects offer the highest degree of drainage capacity. Can be considered in SUDS design.

## **Odourless**

Neither humans nor the environment are negatively affected by the processing.

## **Capillary breaking**

The granulate's closed-cell surface prevents soil moisture from entering the structure.

## **Pressure resistant**

The glass foam's lattice-like structure and extremely high number of pores per cubic centimetre facilitate an exceptional compressive stress of approx. 500 kN/m<sup>2</sup>

## **Stabilising**

The improvement of the load-bearing capacity of unstable terrain can replace such measures as for example column foundations, consolidation fills, etc.

## **Comfortable**

Using TECHNOpor® Glass Foam Granulate as insulating material in structural engineering provides for a comfortable room climate.