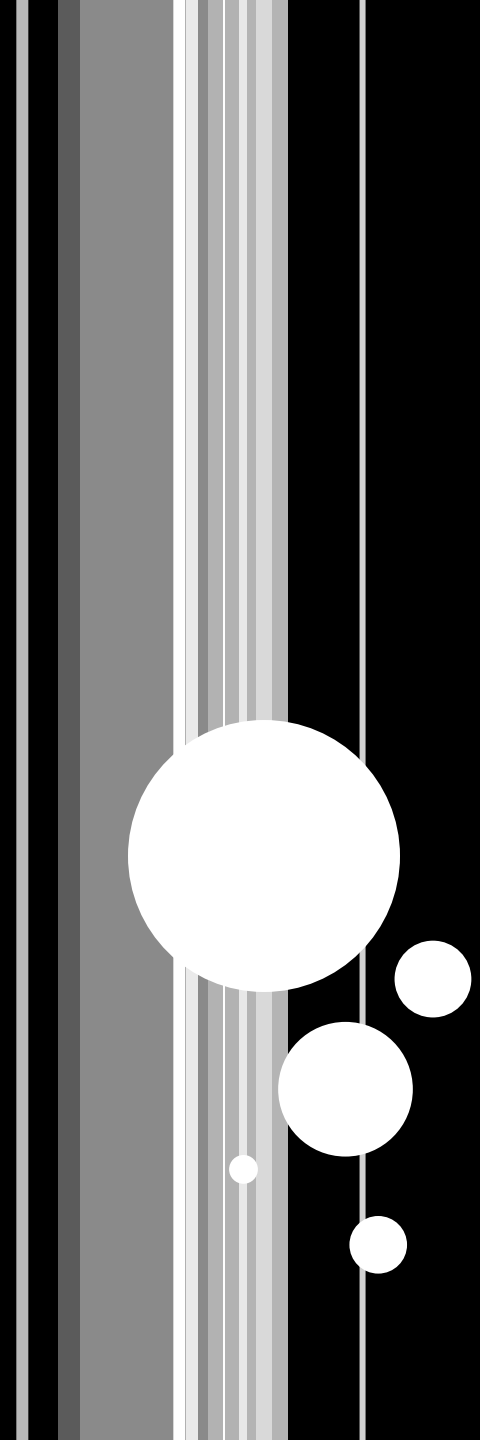


**stikloporas**  
expanded glass



**PENOSTEK® foam glass granulated**



**STIKLOPORAS JSC** is manufacturer of white foam glass granulated also known as expanded glass. Company's headquarters and manufacturing facilities are located in Lithuania, in Northern Europe. The company focuses on the production of granulated foam glass since 2009.

**FOAM GLASS** – is the innovative, ecologically valuable material made from pure glass. Porous, non-organic aggregate is processed when recycled glass is milled, mixed with blowing agents and melted down in extremely high temperature. Foam glass granulate is unique for its granules structure, as this allows to keep air closed inside the pellet. This technology is known as the most developed technology, demonstrating the best thermo-isolating and deafening features. The variety of fractions of granulated foam glass allows its very wide application – it can be used as powdery insulation as well as make dry mixtures, light concrete, blocks, finishing plates, drainage, products of stone mass and etc.



# TECHNICAL PARAMETERS FOR **PENOSTEK®**

| DESIGNATION  | STANDARD                    | GRANULAR SIZES         |               |               |               |               |               |
|--|-----------------------------|------------------------|---------------|---------------|---------------|---------------|---------------|
| Granular size in mm                                  | LST EN 933-1                | 0.25-0.5               | 0.5-1         | 1-2           | 2-4           | 4-8           | 8-16          |
| Bulk density in kg/m <sup>3</sup>                    | LST EN 1097-3               | 340<br>(±15%)          | 270<br>(±15%) | 230<br>(±15%) | 200<br>(±15%) | 190<br>(±15%) | 140<br>(±15%) |
| Compressive strength in MPa                          | LST EN 13055-1,<br>A annex  | 2.5                    | 2.2           | 2             | 1.4           | 1.2           | 1             |
| Thermal conductivity in W/(m-K)                      | LST EN 12939:2002           | *                      | *             | *             | 0.0691        | 0.0631        | 0.063         |
| Water absorption % by mass*                          | LST EN 1097-6:2002,C Annex  | 25                     | 25            | 25            | 23            | 20            | 20            |
| Climate changes frost/thawing resistance % by mass** | LST EN 13055-1:2004,C Annex | No more than 0,7       |               |               |               |               |               |
| Oversize   | LST EN 13055-1              | 10%                    |               |               |               |               |               |
| Undersize  | LST EN 13055-1              | 15%                    |               |               |               |               |               |
| pH value   |                             | 9-11                   |               |               |               |               |               |
| Moisture content on delivery                         |                             | <0.5%                  |               |               |               |               |               |
| Softening point                                      |                             | Approx. 700°C / 1300°F |               |               |               |               |               |
| Acid soluble sulphates                               |                             | Average value 0,18 %   |               |               |               |               |               |
| Total sulphur  |                             | Average value 0,11 %   |               |               |               |               |               |
| Colour   |                             | Cream white            |               |               |               |               |               |

\* Absorption % after 24 hours submerged in water

\*\* After 20 cycles

Technical data given after testing basic grain sizes according to LST EN 13055-1:2004/AC: 2004.

Lightweight aggregates- Part 1: Lightweight aggregates for concrete, mortar and grout.

**stikloporas**  
INVENT COMPANY

## ADVANTAGES OF THE FOAM GLASS GRANULATE



Fire resistance



Durability



Environmental friendly



Vapor and humidity  
conductivity



Biologically resistant



Chemical resistance



Stable parameters



Perfect thermal insulation

**stikloporas**  
INVENT COMPANY

## GRAIN SIZES **PENOSTEK®**



**0,25-0,5 mm**



**0,5-1 mm**



**1-2 mm**



**2-4 mm**



**4-8 mm**



**8-16 mm**

**stikloporas**  
INVENT COMPANY

## PACKAGE **PENOSTEK®**



Packaging is 100 L Bags



Packaging is 1,5 m3/Big-bag

Transporting:  
depending upon the vehicle – 44,48 Big-bags



**stikloporas**  
INVENT COMPANY

## CONTACTS



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