We are advancing sustainability and circularity by using eco-friendly blowing agents in the production process and implementation of recycling strategies.

Thanks to its disruptive technology, Sumfoam represents a new generation of insulation materials that is suitable for a wide range of construction applications. Its exceptional strength, compressive resistance and weight-saving properties make it an optimal solution in applications where these factors are important.

Climate-friendly Production

Durable in Application

Recyclable

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SUMTEQ
SMALL STRUCTURES. HIGH IMPACT.

SUMTEQ

A Pioneer in Insulation

SUMTEQ
SMALL STRUCTURES. HIGH IMPACT.

We produce **unique polymer foams** with an ultra-fine structure.

Due to the pore size in the nanometer range, this class of materials, called Sumfoam, stands out for its enormous insulation performance. By targeting industries that manufacture energy-saving and sustainable products based on our technology, Sumfoam has found particular use in the construction industry.

HIGHLY INSULATIVE.

EXTREMELY STABLE.

BREATHABLE.

Sumfoam insulation products offer exceptional thermal insulation by reducing heat conduction to a minimum.

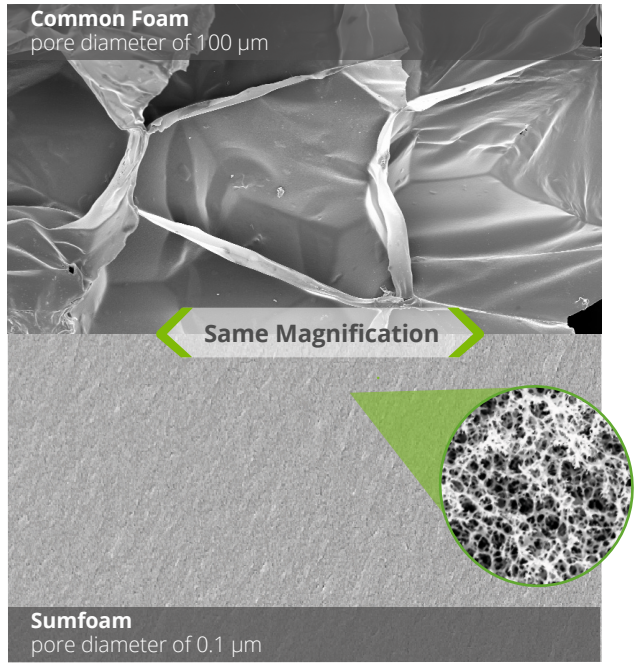
The technology is based on the effect that below a certain pore size the gas molecules collide more frequently with the cell walls than with other gas molecules. This prevents the directional flow of heat via the enclosed cell gas.

Technical Specifications

Material	Foamed acrylic copolymer
Pore structure	Open-cellular
Surface nature	Hydrophobic
Appearance	Granules / Flakes / Powder
Particle size	Customizable
Pore size	< 0.1 µm
Porosity	> 85%
Bulk density	70 - 100 g/L

Sumfoam's unique combination of open porosity and hydrophobic properties creates a material that is impermeable to liquid water and is breathable at the same time. However, water can pass through the pore structure in its gaseuous state.

This, combined with the numerous webs between the pores, gives Sumfoam exceptional strength and compressive properties, making it a versatile material for various product systems.



Pore size smaller by factor 1,000 compared to conventional foams.

The small pore structure of the foam granules makes it possible to grind them into coarse flakes, but also into fine powder while maintaining full performance. This is because even the finest particles contain millions of pores

The foam can be individually **adjusted** to the optimum particle size as required

Applications

Screed
Optimal balance of strength and insulation properties

Insulation Plaster
Refurbish old buildings and insulate new constructions

Lightweight Concrete
The ideal solution for insulating walls, ceilings and other construction elements

Blow-in Insulation
Double-skin masonry walls, especially suitable for small cavities

Paste
Flexible insulation coating and filler for gaps and uneven surfaces