

High
Performance

Insulation



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Sumfoam

Outstanding Insulation Performance



One of the biggest challenges for the insulation industry is to offer high-performance insulation materials in the face of increasingly higher energy standards. With a pore structure in the nanometer range, the Sumfoam material class reduces heat conduction to a minimum and thus masters this challenge. In addition, its enormous stability and ease of handling combined with its low density make the nanofoam unique for applications in insulating plaster, lightweight concrete and as blow-in insulation.



Foamed with climate-friendly blowing agent



Extremely stable



Excellent price-performance ratio



100% recyclable

Technical Specifications

Material	Foamed acrylic copolymer
Pore structure	Open-cellular
Temperature range	-270 °C to +80 °C
Surface nature	Hydrophobic
BET surface	> 100 m ² /g
Pore size	< 50 nm
Porosity	> 85%

Insulation Values In The Application



Blow-in Insulation (loose fill)

$$\lambda < 25 \text{ mW/mK}$$



Paste

$$\lambda < 30 \text{ mW/mK}$$



Insulation Plaster

$$\lambda < 40 \text{ mW/mK}$$



Lightweight Concrete

$$\lambda < 125 \text{ mW/mK}$$

Fields of Application

Blow-in insulation for double-skin masonry walls

Filling insulation gaps and uneven surfaces with a flexible insulation paste

Insulation plaster for the refurbishment of old buildings and new construction

Insulating lightweight concrete for walls, ceilings and other construction elements