

Best
Performance in

Technical Insulation



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Sumfoam

Highly Insulative - Versatile in Application

The nanoporous material class Sumfoam offers highly insulating properties. Its unique ultra-fine pore structure allows the foam granules to be ground into coarse flakes, but also down to a fine foam powder while maintaining full performance and high stability.

Due to the different appearances as flakes, powder, paste or even in the form of a panel, the polymer foam offers flexible application possibilities.

The open-pored and hydrophobic nature provides an additional special feature: The foam is ideally suited for the absorption of phase change materials (PCM), which can thus be used in dry form.



Climate-friendly
high-performance
insulation



Versatile
and flexible
in application



Can be
loaded with
PCM

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



Panel

$$\lambda < 20 \text{ mW/mK}$$



Pour-in Insulation
(loose fill)

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



Paste

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

Fields of Application

Insulation with shaped parts and panels

Cavity insulation

Coating of surfaces and uneven shapes

Additive for insulation purposes

Closure of insulation gaps

Flexible processing of PCM in dry form