



SUMTEQ

Dämmung 4.0

The New Generation of Insulation



WWW.SUMTEQ.COM



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The New Generation of Insulation

One key aspect for realizing the energy turnaround successfully is to save energy by improving thermal insulation. This can only be achieved by innovative materials and new business models.

"At the moment the NIM [Nano Insulation Material] solution seems to represent the best high performance low conductivity thermal solution for the foreseeable future"

B.P. Jelle; Journal of Building Physics; 2010

Against this background SUMTEQ®-Technology was invented at the University of Cologne by the founders of the SUMTEQ GmbH.

In 2014 the company was registered in order to realize the market entry and to establish a sustainable value-added chain. SUMFOAM will significantly contribute to a permanent conservation of valuable resources by saving energy in any regard.





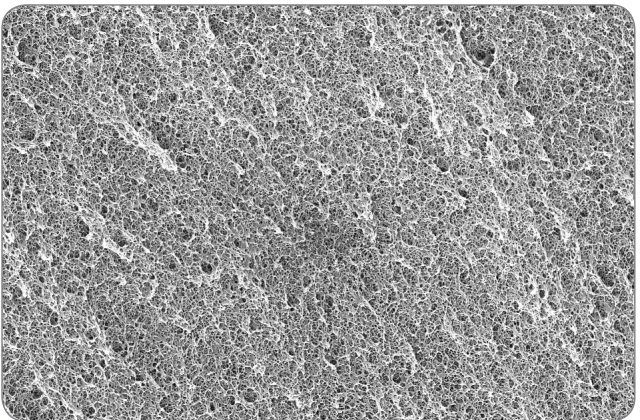
SUMFOAM

- is the first foamed high-performance insulation
- is composed almost exclusively of polystyrene
- utilizes nanostructures that are more than a hundred times smaller than a human hair
- features a very high mechanical stability at relatively low densities



SUMTEQ® - Technology

- makes nanopores in foams easily accessible for the first time
- allows a cost-efficient and scalable production
- features a recycling capability of 100 %
- is patented by SUMTEQ GmbH





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The New Generation of Insulation

Efficient

- High-performance insulation
- Open-celled nano-structure

Economical

- Minimal space requirements
- Simple handling

Robust

- High ruggedness
- Long life applications

Sustainable

- Minimal environmental impact
- Dust-free processing

Versatile

- Flexible shape structuring
- Design freedom



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