

SLENTITE®

A PANEL FOR
ALL CLIMATES.



SLENTITE® – the high-performance
insulating panel. Customised climate management.

 **BASF**
We create chemistry

SLENTITE®

ONE PANEL – FOUR ADVANTAGES.

SLENTITE IS A UNIQUE **HIGH-PERFORMANCE PRODUCT** FOR THE INSULATION SECTOR THAT IS SCHEDULED FOR LAUNCH IN JUST A FEW YEARS.

- 1 Slim, efficient insulation
- 2 Excellent moisture regulation
- 3 Strong, robust panel
- 4 Design freedom



Lambda 17 mW/m•K

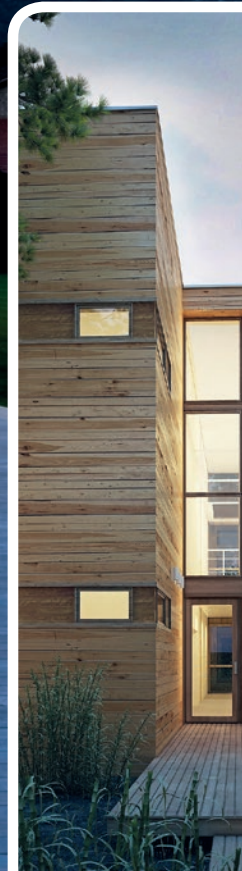


SLIM, EFFICIENT INSULATION.

With its combination of properties, SLENTITE eclipses all existing insulating materials.

The polyurethane aerogel with its lambda value of 17 mW/m•K achieves the best insulation rating for a robust panel. Today's standard insulating materials range from 21 to 40 mW/m•K. SLENTITE is therefore extremely space-saving as well.

Compared to conventional products, insulation of 25 to 50 percent slimmer is now possible.

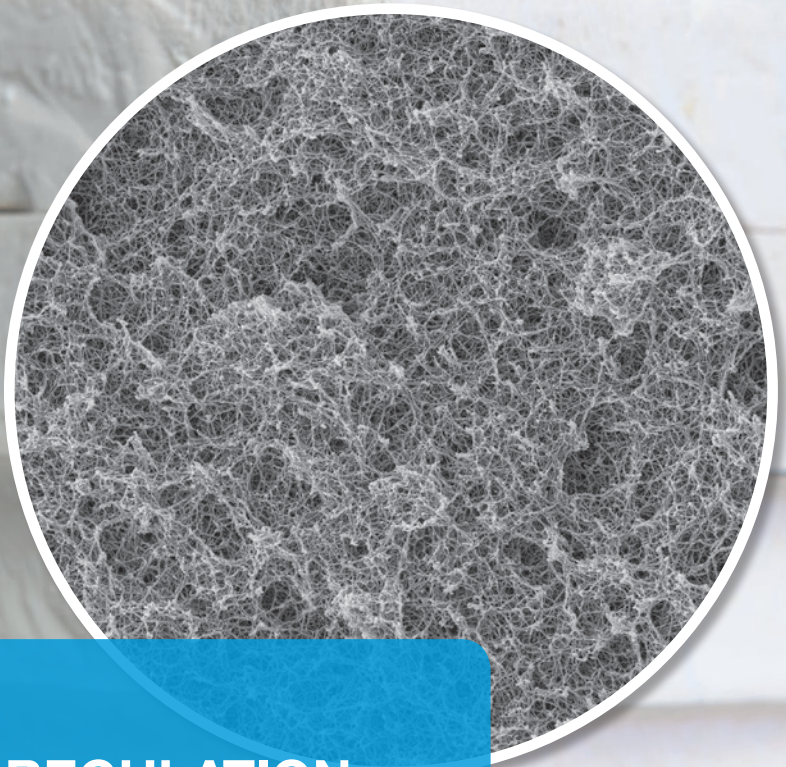




EXCELLENT MOISTURE REGULATION.

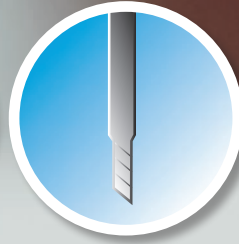
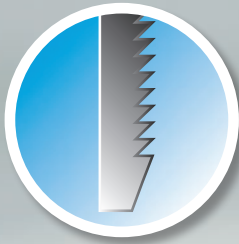
SLENTITE combines a special chemical formulation with an open-pored structure. The composition ensures good moisture regulation in the home.

This has a positive impact on the room climate and adds to the comfort of living.



SLENTITE can be used in different areas of the construction sector – in new buildings as well as in modernized ones. In addition, this high-performance insulating material will also help to reduce energy consumption in the refrigeration sector, e.g. in refrigerators.





STRONG, HEAVY-DUTY PANEL.

SLENTITE is an organic aerogel in the form of a mechanically strong panel. This makes it a hands-on polyurethane aerogel. With compression resistance of > 300 kPa, it performs twice as well as today's PU insulation panels. The panel can be handled dust-free and, like conventional construction products, is easy to work. Sawing, milling, drilling and bonding are no problem.

Thanks to its open-pored structure and high compressive strength, SLENTITE is ideal as the core material of vacuum insulation panels (VIPs). A further reduction in their thermal conductivity by at least a factor of 3 is therefore possible. Used in VIPs and installed in refrigerators, it creates more space in the interior.



CUSTOMIZED **CLIMATE MANAGEMENT.**

More than just insulation, SLENTITE is an optimal package of all the key properties of an insulating material for new and modernized buildings: a heavy-duty panel with low thermal conductivity coupled with an open-pored structure.

Customized climate management is now within reach. Meeting the overriding need of house owners and tenants for a pleasant, feel-good room climate, whatever the climatic region, is now possible.



DESIGN FREEDOM.

The choice of a suitable insulating material is often dictated by aesthetic criteria. Thanks to its minimal space requirements, SLENTITE offers a broad spectrum of design potential – for new and modernized buildings, and with outstanding insulating properties.

In addition, its excellent processing characteristics ensure that even complex design ideas can be realized. Aesthetics and insulation are no longer mutually exclusive, which is good news for architects and engineers alike.

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BENEFITS FOR THE ENVIRONMENT.

BASF research is accompanying the development of the new high-performance insulation product into the pilot phase. The first sample quantities from the new pilot plant at the Lemförde location will be available in 2015.

SLENTITE from BASF offers customized climate management that adapts to the user's specific needs. BASF is thus helping to conserve resources and diminish the carbon footprint.

Further details from:

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