News Release

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BASF at London Build 2018 - Innovative high-performance insulation presented at the UK's leading construction trade fair

- **SLENTEX®: Non-combustible, flexible insulating material**
- **SLENTITE®: Slim insulation board for every climate**

BASF is presenting its new high-performance insulating materials for the first time at London Build, the leading English trade fair for construction, architecture and infrastructure, from October 23-24, 2018 at London Olympia. The innovative high-performance products SLENTITE® and SLENTEX® represent a new generation of super slim insulating materials with extremely efficient insulating performance.

SLENTEX®: flexible and efficient insulation

SLENTEX® is an easy to process and non-combustible material based on pure mineral raw materials. As a single-layer, flexible mat, it is now available for a wide range of applications in the construction and renovation sector. The innovative high-performance insulation, an inorganic aerogel, was developed jointly with the US company Aspen Aerogels Inc. "We are pleased to be able to present the new high-performance insulating material to an international audience and are convinced that we are making a positive contribution to modern, energy-efficient construction," says project manager Dr. Wibke Lölsberg, responsible for the global market launch of the new high-performance product at BASF.

SLENTEX® is a highly efficient and extremely slim insulating mat. With a value of λD 19 mW/m - K, the material achieves a significantly lower thermal conductivity

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than conventional mineral insulation materials and enables the construction of very thin wall structures. A particular advantage: the material is non-combustible and classified in fire protection class A2-s1, d0. SLENTEX® is open to water vapour diffusion (μ ~ 5), but at the same time hydrophobic, which significantly minimises the risk of mould formation. "The flexible insulation material adapts very well to different building structures and at the same time meets high energy requirements," says Lölsberg. With its property profile, SLENTEX® offers architects and planners solutions for sophisticated interior and exterior construction.

SLENTITE® - the slim panel for every climate

SLENTITE® is the first pure aerogel to be produced as a rigid polyurethane panel. The stable aerogel insulation board, which consists of around 90% air and is permeable to diffusion, allows up to 50% slimmer insulation compared with conventional materials - for maximum efficiency and high aesthetics at the same time. As a future-oriented high-performance insulating material, its open-porous structure ensures a pleasant room climate and contributes to the reduction of energy costs. In addition to its outstanding insulating performance, it is very easy to process. The clean, dust-free panels can simply be cut on site and placed directly on the wall or coated in advance. "Through this unique combination of product properties, SLENTITE® enables space-saving insulation both for new buildings and for energy-efficient renovation," explains Dr. Marc Fricke, Project Manager SLENTITE® at BASF. SLENTITE® shows what the future of thermal insulation could look like: The polyurethane aerogel achieves a lambda value of 18 mW/m • K and thus offers the best insulation performance for a robust board, guaranteeing extraordinarily efficient and space-saving insulation. Thanks to its minimal space requirement, it offers a very wide range of design options, whether new construction or renovation, and all this with the best insulation performance. "In many years of intensive research, we have succeeded in developing a product that brings real added value to the market and makes a decisive difference in future projects". SLENTITE® also scores with its high compressive strength of > 300 kPa and very good moisture control.

Corpus magazine on shortlist for London Construction Award

The communication campaign for the new high-performance products with the web magazine "Corpus" in the centre is nominated for the London Construction Award (LCA). In the category "Marketing Initiative of the Year" the award-winning magazine is on the shortlist. Further information: *CORPUS. Constructing Tomorrow*, BASF's

online magazine: www.corpus-magazine.com

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About BASF's Performance Materials Division

BASF's Performance Materials division encompasses the entire materials knowhow of BASF regarding innovative, customized plastics under one roof. Globally active in four major industry sectors – transportation, construction, industrial applications and consumer goods – the division has a strong portfolio of products and services combined with a deep understanding of application-oriented system solutions. Key drivers of profitability and growth are our close collaboration with customers and a clear focus on solutions. Strong capabilities in R&D provide the basis to develop innovative products and applications. In 2017, the Performance Materials division achieved global sales of €7.7 bn. Further information at www.performance-mterials.basf.com

About BASF

At BASF, we create chemistry for a sustainable future. We combine economic success with environmental protection and social responsibility. The more than 115,000 employees in the BASF Group work on contributing to the success of our customers in nearly all sectors and almost every country in the world. Our portfolio is organized into five segments: Chemicals, Performance Products, Functional Materials & Solutions, Agricultural Solutions and Oil & Gas. BASF generated sales of €64.5 billion in 2017. BASF shares are traded on the stock exchanges in Frankfurt (BAS), London (BFA) and Zurich (BAS). Further information at www.basf.com.