

INSULATION AND FIRE PROTECTION: Evonik presents its CALOSTAT® high-performance thermal insulating material at BAU 2019

November 2, 2018

Insulation and fire protection are the dominant themes of the Evonik exhibit at BAU 2019, the world's most important trade show for the construction industry in Munich. The leading specialty chemicals company will present its CALOSTAT® non-combustible high-performance insulation material in new variants, with many specific examples of applications

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CALOSTAT® is well known to insulation experts as the material with a combination of outstanding properties: It combines characteristics that have never so far been found together in a single material. CALOSTAT® has a lambda value of just 0.019 W/mK, is in fire class A2-s1, d0, and has been awarded the Cradle to Cradle Certificate in Gold.

Evonik offers CALOSTAT® in the variants CALOSTAT® Pure and CALOSTAT® Sandwich, which was introduced only this year. CALOSTAT® Pure is most suitable as insulation material in systems that have already been prefabricated or preassembled. CALOSTAT® Pure is used for example as insulation in various facade systems and prefabricated composite elements, and in the insulation of flat roofs, loggias, and terraces.

The more robust CALOSTAT® Sandwich is an insulation material with a CALOSTAT® Pure core mechanically bonded to two covering layers. The material is particularly suitable for insulation of back-ventilated rainscreen cladding and of the ceilings of underground parking lots and basements, in sloping and flat roofs, and in building elements, for optimization of technical building equipment, and as internal insulation. CALOSTAT® Sandwich is offered with covering layers of special mineral wool and/or a glass fabric.

“We will be showing our range of insulating material to builders and investors, architects, planners, and consultants as well as

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contractors at BAU 2019 in examples of specific applications. In this way anyone who's interested can get an idea of how CALOSTAT® can be used in a façade or a roof, for example," says Frank Gmach, who is responsible for CALOSTAT® marketing at Evonik. "We're looking forward to many animated discussions at our stand, no. 415 in hall A1."

CALOSTAT® Pure has been awarded the Cradle to Cradle Certificate in Gold because the material contains no toxic substances and is fully recyclable. It does not absorb liquid water but is permeable to water vapor. This innovative material has already garnered a number of awards: Winner of the German Innovation Award, it was also a finalist for the Deutscher Innovationspreis. Readers of the trade journal *detail* voted CALOSTAT as Product of the Year in 2017, and the FeuerTrutz Network named it Product of the Year for 2018 in the Passive Fire Protection category.

About Evonik

Evonik is one of the world leaders in specialty chemicals. The focus on more specialty businesses, customer-orientated innovative prowess and a trustful and performance-oriented corporate culture form the heart of Evonik's corporate strategy. They are the lever for profitable growth and a sustained increase in the value of the company. Evonik benefits specifically from its customer proximity and leading market positions. Evonik is active in over 100 countries around the world with more than 36,000 employees. In fiscal 2017, the enterprise generated sales of €14.4 billion.

About Resource Efficiency

The Resource Efficiency segment is led by Evonik Resource Efficiency GmbH and produces high performance materials and specialty additives for environmentally friendly as well as energy-efficient systems to the automotive, paints & coatings, adhesives, construction, and many other industries. This segment employed about 10,000 employees, and generated sales of around €5.4 billion in 2017.

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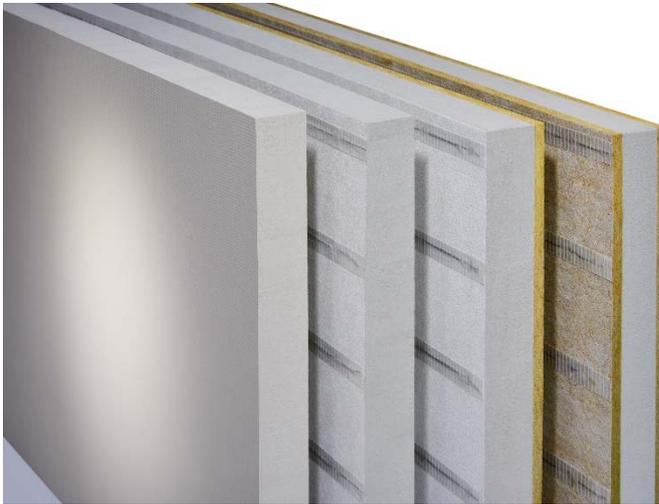


Photo caption:
The CALOSTAT® product family: CALOSTAT® Pure, CALOSTAT® Sandwich F, CALOSTAT® Sandwich MW-F, and CALOSTAT Sandwich MW
Image source:
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Photo caption:
CALOSTAT is non-combustible and at the same time highly insulating.