

NEW CALOSTAT® VARIANTS EXPAND THE PRODUCT PORTFOLIO FOR ADDITIONAL APPLICATIONS

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Evonik is expanding its product portfolio of CALOSTAT® thermal insulation panels. In addition to the existing CALOSTAT® Pure, a more robust variant, CALOSTAT® Sandwich, is now available.

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Evonik launched its CALOSTAT® high-performance insulation material on the market in 2015. Since then, many properties have already been insulated using the purely mineral and recyclable material. Insulation experts value the material for its combination of the best insulation value ($\lambda=0.019$ W/mK) with high fire class (A2-s1, d0). The innovative construction material is marketed in the form of panels by the German specialty chemicals group as CALOSTAT® Pure. It is most suitable as insulation material in prefabricated or preassembled systems. CALOSTAT® Pure is used for example as insulation in various facade systems and prefabricated composite elements.

Also available now is the more robust CALOSTAT® Sandwich, an insulation material with a CALOSTAT® Pure core mechanically bonded to two covering layers. "With this new variant we're giving the insulation material higher tensile strength, easier handling, and a coatable surface. In this way we're opening up new applications for the non-combustible high-performance insulation material in the area of building-shell insulation," says Frank Gmach of the Thermal Insulation Team of Evonik Resource Efficiency GmbH. The material is especially suitable for insulation of back-ventilated rainscreen cladding and of the ceilings of underground parking lots and basements, as internal insulation, in sloping and flat roofs, and in building elements, as well as for optimization of technical building equipment. CALOSTAT® Sandwich is offered with covering layers of special mineral wool and/or a glass fabric.

CALOSTAT® Pure has been awarded the Cradle to Cradle Certificate in Gold because it 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

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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.