

## Evonik will be at BAU 2017 presenting new applications for its high-performance CALOSTAT® thermal insulation materials

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- Efficient, thin, and easy-to-install insulation panel that meets passive building standards for new construction and renovation projects
- Thin, mineral-based interior insulation
- Simple solutions for especially challenging areas, such as roller shutters and roller shutter boxes
- Evonik at BAU: Hall A1, booth 415

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Since it was first introduced at BAU 2013, CALOSTAT® high-performance insulating material has come to be recognized in the construction industry as a superinsulator with special properties: based on a mineral material—silicon dioxide—CALOSTAT® does not burn, allows steam to diffuse through it, and has an outstanding  $\lambda$  value of 0.019 W/(m·K). Designed especially for the construction industry, these insulating plates can withstand pressures of over 90 kPa and, because they have undergone core hydrophobization, they do not absorb liquid water. CALOSTAT® is also easy to recycle, which makes it a highly sustainable material. This combination of properties has enormous advantages for investors, builders, architects, and construction companies—especially in projects with sophisticated insulation requirements. Working with partners from the construction industry, Evonik has developed new and exciting applications that the company will be presenting at BAU 2017:

### Efficient, thin, and easy-to-install insulation panel that meets passive building standards for new construction and renovation projects

This insulation panel for building exteriors opens up extensive opportunities for saving energy. Its thickness—just 12 cm—makes it suitable for passive building standards. Even when used in public buildings or high-rises, the panel can meet the fire-safety requirements of an F90-rated exterior. That makes this element especially interesting for renovating existing buildings from the 1980s and older. The insulation panel contains two Evonik

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products—CALOSTAT® and PLEXIGLAS®—making it efficient, thin, and easy to handle.

Evonik's development partner was FKN, a company specializing in building exteriors, which markets the product under the name “CT paneel.”

### **Thin, mineral-based interior insulation**

In highly built-up city centers or in structures with beautiful, historical facades, interior insulation is often the only meaningful option for insulating a building. In cases like these, lean construction is everything. And when specifications include the use of fireproof, mineral materials, then the solution of choice quickly narrows to one of the systems exhibited by our partners—systems that use CALOSTAT® as the insulating material.

### **Simple solutions for especially challenging areas, such as roller shutters and roller shutter boxes**

Outstanding architecture, elegant facades, and sophisticated renovation projects all have one thing in common: you don't want to ruin them with bulky, flammable, or hard-to-handle insulation. That is particularly true for technically tricky jobs like roller shutters, roller shutter boxes, soffit profiles, and fireproof barriers. In collaboration with EMV, Evonik will be presenting system solutions that offer process reliability for insulating building exteriors in many industries.

Evonik invites all planners, architects, investors, builders, construction firms, consultants, and insulation experts to **Hall A1, Booth 415** to see our versatile applications for themselves.

**Company information**

Evonik, the creative industrial group from Germany, is one of the world leaders in specialty chemicals. Profitable growth and a sustained increase in the value of the company form the heart of Evonik's corporate strategy. Its activities focus on the key megatrends health, nutrition, resource efficiency and globalization. Evonik benefits specifically from its innovative prowess and integrated technology platforms.

Evonik is active in over 100 countries around the world. In fiscal 2015 more than 33,500 employees generated sales of around €13.5 billion and an operating profit (adjusted EBITDA) of about €2.47 billion.

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