

News Release

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Energy-efficient construction elements: Elastopir® Blue permits forward-looking construction with better insulation value

- PU system for customer-specific requirements
- Elastopir® Blue – Better lambda, better u-value, better efficiency

Advanced insulation is a key to effective climate protection. This also applies to industrial buildings, cold stores, deep-freeze warehouses and other commercial buildings. At K 2019 in Düsseldorf, BASF will unveil Elastopir® Blue, a new PU rigid foam solution with a low lambda value (down to $\lambda_D = 19 \text{ mW/m} \cdot \text{K}$) that achieves exceptional standards of energy efficiency while at the same time setting new standards for sandwich panels.

Good product properties – better thermal insulation

Highly energy-efficient construction elements have a positive effect on the environment in the construction sector. With Elastopir® Blue as the core material, it is possible to produce thinner panels with significantly improved insulation performance. When modern blowing agents such as cyclopentane or HFOs are used, the PU system's optimized cell structure yields a core material with superlative mechanical properties and a high surface quality. The quantity of blowing agents used is optimally adapted to customer-specific requirements. In addition, Elastopir® Blue features excellent fire protection properties. This is also possible without halogen and thus contributes further to climate-friendly construction. This is also made possible by successful customer cooperation. "We're delighted with the

excellent cooperation with our long-standing partner Romakowski GmbH & Co. KG, Buttenwiesen, who also manufactured the panels exhibited at K 2019 with Elastopir® Blue,” says Roland Fabisiak, Team Leader Technical Development, Construction Conti EMEA at BASF Polyurethanes.

New generation of PIR solutions boost production efficiency

Construction elements with an Elastopir® Blue core material also make their mark on production and costs. Faster curing of the panels increases belt speed and allows increases in production capacity. In addition, the new solutions offer better adhesion of the foam to the upper facing. The possibility of combining the system with a BASF adhesion promoter also ensures excellent adhesion to the lower metal facing. Thanks to BASF’s patented Fixed Poker technology, the application of the liquid PU mixture is smooth and trouble-free, thus improving the panels’ surface quality. With Elastopir® Blue, future-oriented construction can be realized without losing out on the benefits of efficient production.

Elastopir® Blue – Better lambda, better u-value, better efficiency

Visit us at K 2019 at Booth C21/D21; Hall 5

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