

Press Release

Essen, August 24, 2018

Brenntag presents an innovative plastics solution for heavy-duty distance mounting in the building and construction sector

The heatwave had large swathes of Europe firmly in its grip this summer. When temperatures clearly above 30 degrees prevail for a prolonged period, it is a relief to have a shady spot on the balcony or terrace under a protective awning. And the relief is even greater if this sun protection can be securely fixed in place.

Brenntag, the world market leader in chemicals distribution, has worked with Apolo MEA Befestigungssysteme to develop an innovative distance mounting system with plastics components made of ALAMID[®] compounds. The ResiTHERM[®] system has been created especially for heavy-duty distance mounting applications in perforated brick walls insulated with composite thermal insulation systems (ETICS), such as for awnings, canopies or balconies. The straightforward and rapid mounting of the robust plug system in glass fibre reinforced PA ensures enormous time and cost efficiency together with an outstanding load-bearing capacity for very high loads in the brickwork. ResiTHERM[®] also guarantees effective thermal separation and thus permits the components to be fixed without any hot or cold bridges. The insulating effect of the thermal insulation façade remains virtually intact, thus preventing energy losses or even mould growth.

Apolo MEA has opted for ALAMID[®] compounds from Brenntag Polymers. The PA materials are formulated for functional engineering parts that are subject to special requirements and are noted for their excellent mechanical properties, such as a high toughness, hardness and heat resistance. ALAMID[®] is eminently suited to withstanding the high forces that act in safety-relevant applications. For distance mounting in perforated brick with ETICS insulation, the fastening must be inserted through the ETICS and into the load-bearing brickwork, bridging the thickness of the insulating material. High pull-out forces thus place increased demands on the fastening system. In addition, the system must be in a position to reliably introduce the high forces into the perforated bricks, which also requires a low level of deflection in the material.

With their physical and mechanical properties, long service lives and corrosion resistance, ALAMID[®] compounds are eminently suited to multimaterial systems

offering long-term stability. ALAMID® compounds are additionally noted for their very good surface properties and good chemical resistance. Very good wear resistance, a high colour stability under environmental influences and in contact with everyday media, a high dimensional stability, very low warpage and stable process capability make ALAMID® compounds the ideal construction material. Specially tailored polymer/additive combinations permit great flexibility and a wide range of modifications for customer-specific applications.

Brenntag will be presenting the ResiTHERM® system at Fakuma in Friedrichshafen from 16 to 20 October in Hall A4, Stand 4128.

You will find further information on ALAMID® at www.brenntag.de. Information on the ResiTHERM® fastening system is available at <http://www.celo-apollo.de/>.

About Brenntag Polymers:

Brenntag Polymers develops, produces and markets compounds in engineering plastics and high-performance polymers and is a product development partner for customer-specific material solutions. In addition to our distribution range for products from other leading manufacturers and brands, our customers also have some 700 products at their disposal that we have developed ourselves. Our support extends from product development, via application and processing consultancy, right through to readiness for the market. Working in close cooperation with our customers, we develop individual materials that are precisely tailored to their subsequent use. We have specialist know-how in the fields of metal substitution, thermally conductive compounds, drinking water and food-compatible compounds, and detectable and tribologically optimised compounds. Our plastics are individually adjustable and have proved successful for numerous applications in a wide range of sectors, including the automotive and E&E segments, lighting applications, architecture, building and construction, sport and leisure, industry, medicine, etc.

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About Brenntag GmbH:

Brenntag GmbH is the German subsidiary of the Brenntag Group, the global market leader in chemicals distribution. The company employs around 1200 at 16 locations in Germany, providing both all-in solutions and individual chemical products. Our range of products and services includes more than 10,000 industrial and speciality chemicals as well as numerous services, such as just-in-time deliveries, mixes and formulations, repackaging, inventory management and application technology.

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