

Connecting**Chemistry**



POLYMERS DACH

ResiTHERM[®] Distance Mounting
System with Components in
ALAMID[®]-Compounds

Product Information

ResiTHERM® Distance Mounting System with Components in ALAMID®-Compounds

Brenntag Polymers 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® Features

- Very good surface finish
 - No streaks
 - No colour changes
 - A high colour stability under environmental influences and in contact with everyday media
- Neutral natural colour and good colourability of the base polymer
- High dimensional stability and very low warpage
- High strength and toughness under mechanical load
- Very good chemical resistance and resistance to cleaning agents
- Stable process capability
- A broad range of filler and reinforcing materials
- Great flexibility and extensive modifications for customer-specific applications

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

Contact

Brenntag GmbH

Material Science / Polymers

Location Ramstein

Carl-Zeiss-Straße 2a - 4

66877 Ramstein-Miesenbach

GERMANY

Tel.: +49 6371 9635-0

Fax: +49 6371 9635-11

brenntaggbh@brenntag.de