

CELLULAR FOAMS

Everad[®] TAC 9566

VOC-free contact adhesive

Mounting interior trim without solvents

The PC-12 is the largest and also most successful single-engine turboprop of the Pilatus aircraft family. Its flexibility in deployment as a passenger, transport, ambulance, or surveillance plane imposes complex requirements on the interior elements. Advanced technology, design, comfort, safety, and cost-effectiveness are key issues. In its manufacturing plant, Pilatus emphasizes environmentally friendly raw materials and processes. For this reason, the company wanted an alternative to the solvent-based adhesive it previously used to attach foam, leather, textile, and epoxy resin elements inside the cockpit and airframe.

Environmentally friendly solution by Everad[®]

Everad[®] developed a VOC-free water-based contact adhesive that easily measures up with solvent-based adhesives in terms of green strength, final adhesion, and heat resistance. The new contact adhesive even outperforms the specified temperature resistance level of 70 °C for instrument fascia coverings (extreme high-tensile bonds). A key advantage: with the new adhesive, corrections are easily possible. It is applied like an ordinary contact adhesive but when cured can be heat-reactivated so that open and dry areas can be post-processed without the need to apply more adhesive. Another benefit: the application volume is much smaller than is the case with a solvent-borne adhesive because the new product has a higher concentration of solids and can be applied or sprayed more evenly.

Smart bonding

With the objective of making customers successful with intelligent bonding solutions, Everad[®] develops and markets specialty adhesives for innovative applications in construction, labels, tapes, packaging, protective adhesive systems, textiles and foams. Everad[®] is passionately committed to new bonding technologies that improve quality, productivity, and reliability.

Technical data in brief

Project: Interior trim inside a PC-12

Year: 2007

Partner: Pilatus Aircraft Ltd., Stans, Switzerland

Application: Cladding applied to interior composite panels

Country: Switzerland

Product: Contact adhesive Everad[®] TAC 9566

Properties: Fast but correctible curing after spraying, long open time (up to 30 minutes), VOC-free.

