

JEC Trade Show News

Booth R46

TenCate Recognized as a Co-Winner in 2010 Aeronautics Innovation Award.

TenCate's Gulfstream 650 Elevator Made With Cetex® Thermoplastic Composites Will Be on Display in TenCate's Booth .

April 13-15th, 2010, JEC Trade Show, Paris France - TenCate Advanced Composites announces that it has been named as a co-winner of the 2010 JEC Aeronautics Innovation Award. This year's award recognizes Fokker Aerospace and its partners for the fabrication of the first induction welded thermoplastic composites in primary structure on a business series aircraft. The Gulfstream G650's elevator and aileron's are fabricated with TenCate Cetex® thermoplastic composite prepregs and laminates. A G650 elevator assembly utilizing TenCate's Cetex aerospace qualified thermoplastic prepregs and laminates will be on display in TenCate's booth (R46).



The G650's skins, ribs and spars are fabricated with TenCate's Cetex® carbon fiber reinforced thermoplastic prepreg laminates utilizing a polyphenylene thermoplastic resin. The multi-ply thermoplastic laminate ribs are press formed, and then subsequently robotically welded via induction welding. The Gulfstream G650 is targeting a 2012 in service

date. Fokker Aerospace is responsible for fabrication of the six meter long elevator, Kok en van Engelen Composites for induction welding and the thermoplastic resin supplier is Ticona.

Frank Meurs, Group Director states "TenCate Cetex® thermoplastic prepreg laminates have a proud twenty year history in aerospace on commercial, military and business aircraft. Our thermoplastic composite prepregs and laminates combine some of the best attributes of high strength composites with aerospace databases, toughness, resistance to moisture and aerospace fluids, ambient temperature storage and the ability to utilize automated fabrication techniques for cost effective processing. "

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TenCate Advanced Composites

TenCate Advanced Composites is a leading aerospace thermoset and thermoplastic prepreg supplier. TenCate's prepregs are used in commercial aircraft, satellites, helicopters, general aviation, aircraft interiors, radomes and unmanned vehicles. TenCate prepregs are found on almost all satellite programs in the Western world. Cetex thermoplastic composites and Cetex Thermo-Lite represent TenCate's aerospace qualified composite prepregs, laminates and unitapes utilizing high performance resin systems such as PEEK, PEKK, PPS and PEI (Ultem).

Royal TenCate

TenCate www.tencate.com is a multinational company which combines textile technology and chemical processes in developing and manufacturing special materials. Its materials can be divided into four areas of application: safety & protection, space & aerospace, sport & leisure, and environment & infrastructure. The company has world leading positions in protective fabrics, space and aerospace composites, armor composites, geosynthetics and synthetic turf. TenCate is listed on NYSE Euronext.

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