

JEC Trade Show News

Booth R46

TenCate Advances Role in High Temperature Materials Through Technical Partnership with Lockheed Martin on Orion Spacecraft Heat Shield.

April 13-15th, 2010, JEC Trade Show, Paris, France - TenCate Advanced Composites announces the development of a line of ultra-high temperature microcrack resistant prepreg systems that were the basis for materials used in Lockheed Martin's Orion Spacecraft Heat Shield.

Dr. Frank Lee, Vice President of Technology states “we have worked closely over the last 18 months on this demanding application resulting in the development of materials that can withstand both the rigors of space flight, and the high heat of re-entry. Especially critical in the development effort was the need to provide materials which were optimized for very large scale vacuum bag processing fabrication methods.”

Scott Unger, Group President reports “TenCate has long played a long standing role in high temperature materials for ablative missile components, high temperature military engine ducts and oil & gas applications.” TenCate's product offerings include BMI's, polyimides (AFRPE-4) and cyanate ester resins.



As part of the Orion program, TenCate was asked to develop a line of compatible film adhesives, resins, core splices and syntactic products. The Orion project represents one of the larger structural applications for out of autoclave processing and capitalizes on TenCate's fifteen years of experience in out of autoclave materials for general aviation, UAV, satellite and radome structures.

Photo courtesy of Lockheed Martin

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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.

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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