COMPOSITES EUROPE
Hall 4 | Booth A03

The VAP® Alliance is growing

Joint showing on VAP® Vacuum Assisted Process at Composites Europe 2011

Expert network for membrane-assisted low pressure infusion at the Carbon Composites Association booth (booth A03 in hall 4)

The VAP® Alliance will be participating in the Composites Europe 2011 booth at the invitation of Cassidian, the Global Security Division of EADS. Comprising a network of experts offering support to manufacturing enterprises on every aspect in implementation of the VAP® Vacuum Assisted Process, the Alliance is growing in tandem with the increase of interest in the membrane-assisted resin infusion technology.

The specialised companies in the VAP® Alliance offer services and products for every phase in implementation of the VAP® process – from planning, structural engineering and design-to-cost through provision of VAP® membrane systems and other special aids to actual process implementation, training in its use and contract production of prototypes and serial components.

The VAP® Alliance thus ensures transfer of knowledge on VAP®, a technology originally developed by EADS for fabrication of high-quality aerospace components. EADS and its licensed partners provide the patented know-how for use in further applications via the VAP® Technology Licensing Programme. VAP® is being used by an increasing number of manufacturing businesses due to the process reliability and economic efficiency of this out-of-autoclave means of producing very large and complex components.

Qualified VAP® membrane system for aviation applications

The decisive process component in the VAP® Vacuum Assisted Process consists of a semi-permeable membrane system. The high-tech material involved ensures reliable removal of trapped air and volatiles over the entire component area for homogenous fibre volume content and consistent and impeccable process results. The material can be provided in versions adapted to various resin systems and process variants and is continually being developed further. At present Trans-Textil's high-temperature-resistant membrane system is undergoing the qualification process at Airbus and Premium AEROTEC for use in the fabrication of aviation components.

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