

Access to VAP® technology via EADS and Trans-Textil

Achieving a user licence clearly described

As part of its Technology Licensing Initiative, EADS Deutschland GmbH is placing its patented VAP® membrane-assisted, low pressure infusion method at the disposal of the market by means of a licence management system. Trans-Textil GmbH, an EADS-authorized VAP® licensor for the non-aerospace sector and preferred EADS partner in the aerospace sector, is the direct, worldwide contact for all questions concerning contract-based VAP® licensing. The exclusive EADS partner for VAP® membrane systems will be exhibiting at the Composites Europe show at stand A05 in hall 12.

"Although the way to using the patented VAP® process is clearly explained, a certain amount of misinformation exists on the market", states Martin Salzburger, Patent and Technology Licensing Manager at EADS. As he explains, "VAP® is available for use via a licence management system. User licenses for the aerospace industry are issued by EADS itself, while our authorized VAP® licensor Trans-Textil is the right place to contact for all other areas". Use of the VAP® method without a license or with non-licensed membrane system constitutes infringement of the EADS patent.

Trans-Textil's licensed VAP® membrane systems

Trans-Textil GmbH supplies membrane systems – the decisive component in the VAP® approach – for use in the respective membrane-assisted low pressure infiltration work. The combination they involve of an air- and gas-permeable resin barrier bonded (laminated) to a sophisticated textile carrier enables a high degree of precision in the production of complex lightweight parts. Moreover,



each of the membrane systems in the company's range is tailored to specific process variables concerning gas permeability, barrier performance, heat resistance and drapability.

Trans-Text ensures the suitability of its quality-assured VAP® membrane systems for use with various different resin types and process variants by testing them under realistic conditions in its in-house VAP® test lab. Thanks to its broad portfolio of semi-permeable barrier layers and textile carriers, and precisely-controlled production processes, it is also able to offer membrane systems adapted to customer's specific requirements.

Composyst GmbH: All-round service for VAP®

As a further partner in the VAP® competency network, Composyst GmbH handles the technical support side. "We offer interested VAP® users extensive advice on judging the suitability of the method for their needs, provide support when they start using it, help ensure successful production outcomes and stay at their side with on-going technical process know-how", states Composyst Managing Director Stefan Utecht, who can look back on longstanding experience of VAP®. The company also offers the "Fit for Composites" programme of training for all levels from shop-floor worker to engineer.

www.vap-info.com



COMPOSITES EUROPE
Hall 12
Booth A05

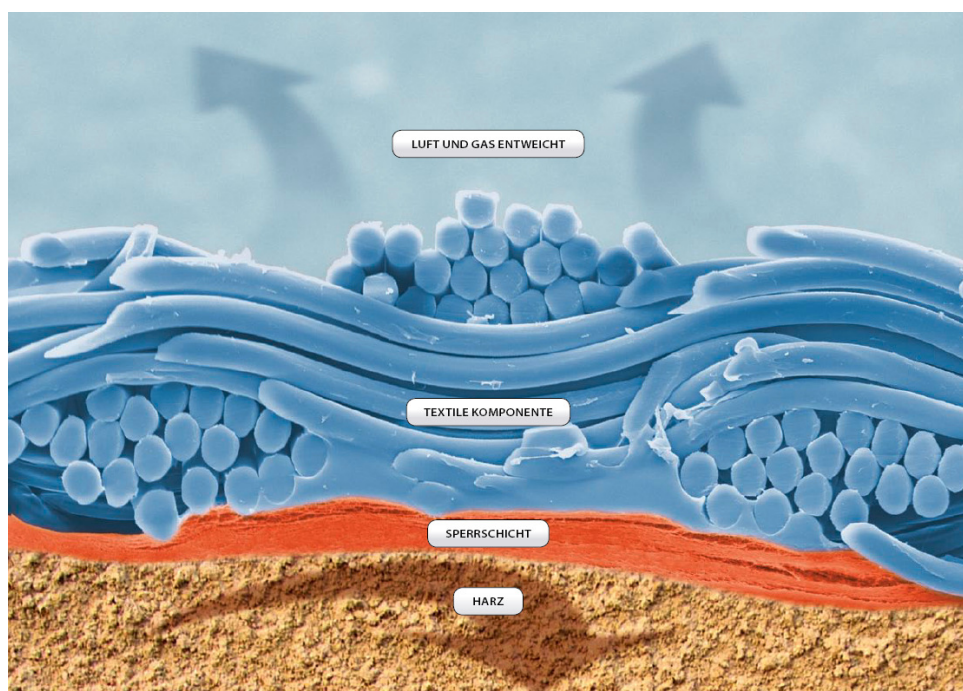
Trans-Textil GmbH

Trans-Textil GmbH, Germany, is one of Europe's technology leaders in the production of high-quality, functional textile solutions. Its expertise in this field has contributed significantly to development of the VAP® process, and it has been authorised by EADS to grant licences for VAP® use.

Thirty years of experience in textiles and development work plus production expertise and state-of-the-art facilities allow Trans-Textil to adapt the VAP® membrane system – the central component of the VAP® process – to specific practical applications, thus resulting in a wide-ranging portfolio of solutions. The company is certified to EN ISO 9001 and EN ISO 14001, and is known for its consistently high quality standards, sustainable approach and innovative ideas.

EADS

EADS Deutschland GmbH is the developer and patent owner of the VAP® process. A global leader in aerospace, defence and related services, it generated revenues of €42.8 billion in 2009 with a workforce of some 119,000 employees. The group includes Airbus, the number one manufacturer of commercial airliners as well as military tanker and transport aircraft; Eurocopter, the world's largest helicopter supplier; EADS Astrium, the European leader in the space sector thanks to such programmes such as Ariane and Galileo, and the EADS Defence & Security Division, a provider of comprehensive system solutions which in the name of the group is the largest partner in the Eurofighter consortium while also being a major shareholder in MBDA, a missile manufacturer.



Every component in VAP® membrane systems by Trans-Textil can be tailored to individual requirements regarding gas permeability, barrier performance, heat resistance and drapability.

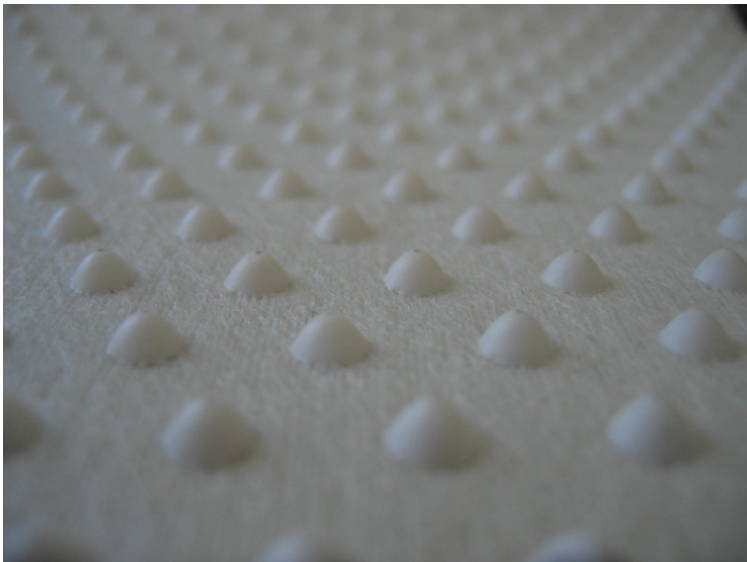
Illustration: Trans-Textil GmbH



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At its in-house VAP® laboratory, Trans-Textil tests the quality of its membrane systems under realistic infusion conditions. Photo: Trans-Textil GmbH



Trans-Textil is constantly involved in enhancing its applications-oriented VAP® membrane by means of its proprietary textile technologies. Integrating several VAP® stack layers into one, as in its VAP® Multilayer, significantly facilitates handling in the production of lightweight parts. The product line features spacers in the form of small raised nubs, which are applied to the resin barrier by means of proprietary coating technology for optimum vacuum distribution and thus faster removal of trapped air and volatiles. Photo: Trans-Textil GmbH