

Press Release

DEKRA Laboratory at Tectextil (May 14-17, 2019) in Frankfurt am Main

On-site membrane stress measurement

DEKRA Laboratory for Technical Textiles and Films tests membrane structures on site in its capacity as monitoring body and for the preparation of expert reports. The membrane stress measuring device (MSM II), which was specially developed by the laboratory, checks the prestress in tensile membrane surfaces after assembly or as part of recurring inspections, thereby helping to prevent damage.

DEKRA Laboratory for Technical Textiles and Films in Stuttgart is an independent testing laboratory recognized in accordance with German Building Regulations (LBO). It also has DAkkS accreditation in accordance with DIN EN 17025 for testing methods in the field of films and fabrics. The laboratory possesses leading knowhow and decades of experience in the field of membrane construction. The experts support manufacturers, planners and contractors in all aspects of technical textiles. The laboratory is actively involved in numerous spectacular lightweight construction projects worldwide—including various football stadia in Germany and abroad and the façade of the striking Rottweil Elevator Test Tower owned by ThyssenKrupp.

The laboratory tests mechanical and structural properties, develops new measuring methods and testing equipment and supports companies in quality assurance. Stationary test benches in the laboratory enable bi- and multi-axis testing of films and technical textiles.

But for many projects, the team's knowhow is also required on site. The DEKRA experts not only perform damage analyses on buildings, but also regularly assess the condition of façades and roofs covered with membranes or films. Inspection drones are used in areas that are difficult to access.

The mobile DEKRA membrane stress measuring instrument measures the stresses in a membrane of a building, thereby helping to prevent damage. All membrane materials can be calibrated, the menu is multilingual, the device presents the measurement results in graphical form and makes documentation easy thanks to its ability to store multiple measurement points.

DEKRA Laboratory for Technical Textiles and Films will be at Tectextil from May 14 to 17, 2019, in Frankfurt am Main (hall 4.1, stand L 46).

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About DEKRA

DEKRA has been active in the field of safety for more than 90 years. Founded in 1925 in Berlin as Deutscher Kraftfahrzeug-Überwachungs-Verein e.V., it is today one of the world's leading expert organizations. DEKRA SE is a subsidiary of DEKRA e.V. and manages the Group's operating business. In 2018, DEKRA generated sales totaling more than 3.3 billion euros. The company currently employs more than 46,000 people in approximately 60 countries on all six continents. With qualified and independent expert services, they work for safety on the road, at work and at home. These services range from vehicle inspection and expert appraisals to claims services, industrial and building inspections, safety consultancy, testing and certification of products and systems, as well as training courses and temporary work. The vision for the company's 100th birthday in 2025 is that DEKRA will be the global partner for a safe world.