

Textile Tomorrowland: Building Future in Textile

Esseidea Enters New Markets with Spacer Fabrics made of Aramid, Glass or Basalt

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Esseidea, manufacturer of 3DEA® spacer fabrics, is expanding its product range with completely new textile 3D-constructions made of aramid, basalt or glass. The innovative technology and the cooperation with external partners enable the production of spacer fabrics up to 60mm high.

Esseidea applies a new technology that is structurally adaptable for a variety of applications and high-performance product solutions. The textiles can accommodate a wide range of different filling and reinforcing materials to be consolidated – including the possibility of deformation. Areas of application can be, for example, in lightweight construction, soundproofing or even innovative trade fair construction.

Esseidea presents its new textile constructions as part of the Baden-Württemberg Pavilion. On the haptic cube, the 3D textiles are not only demonstrated, but actually tangible.

Esseidea's spacer fabrics find use as textile solutions in a wide range of applications through the use of various substrates and highly flexible constructions.

Through continuous research and development, Esseidea has succeeded in creating its spacer fabrics for – amongst others – effective sound insulation and lightweight construction. Forward-looking is the use of specially designed 3D textiles for water procurement, in which they serve as a deposition material, for example, to catch water from the air from fog in wind-rich, arid areas.

The pressure-elastic and breathable properties of the knitted fabrics achieve an increase of the seat and climate comfort in the automotive sector as well as in the production of innovative office chairs or healthy, disinfected sleeping products.

The diversity of products and applications is the result of continuous exchange and cooperation with users and leading research institutions.

Brief company profile:

Esseidea develops and produces innovative, high quality technical textiles under the brand 3DEA® and ranks among the worldwide innovation leaders for state-of-the-art spacer fabrics. The name affix "texolutions" refers to the company's core competency: development of textile solutions for multiple uses and challenging applications. Esseidea is a capable and reliable partner for both realizing niche products and serial production. Highest product and process quality, innovative R&D activities, an efficient supply chain and cost effectiveness for our customers form the core of our corporate philosophy. Esseidea is a sister company of Heinrich Essers, Europe's market leader in warp beam preparation. With more than 100 years of experience the company group is counted among the body of experts for technical textiles in Europe.

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