ZSCHIMMER & SCHWARZ

Press Release

Zschimmer & Schwarz drives recycling innovation with FASALOOP®

More sustainable carpet and artificial turf systems thanks to new polymer-based coatings

Lahnstein, April 20, 2026 – Zschimmer & Schwarz, a global supplier of chemical specialties and auxiliaries, offers tailor-made solutions for a wide variety of industries. The company's Fiber & Textile Auxiliaries Division is specialized on solutions for man-made fibers and textiles that always meet highest demands. With FASALOOP, Zschimmer & Schwarz now introduces an innovative coating technology designed to enable the broad market implementation of recyclable artificial turf and carpet systems. The development originated at Lefatex GmbH, a company of the Zschimmer & Schwarz Group, and is now being rolled out to the Zschimmer & Schwarz production network.

Conventional constructions often rely on multi-material composites using styrene butadiene or styrene acrylic latex systems and/or polyurethane backings. Artificial turf, for example, typically consists of polyolefin fibers tufted into a polyolefin primary backing, while a secondary backing made of styrene-butadiene rubber (SBR) is commonly applied to provide adhesion and stability. At the end of life, this complex material structure makes separation for material-recycling particularly challenging. This is where FASALOOP is making the change: The new coating technology replaces conventional SBR-latex or polyurethane backings with polyester- and polyolefin-based coating systems. This allows the design of mono-material constructions that can be mechanically recycled without complex material separation.

"With FASALOOP, we are offering an attractive solution for a circular economy," says Volker Krebs, Global Director Fiber & Textile Auxiliaries Division at Zschimmer

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& Schwarz. “By enabling mono-material constructions, we help our customers to move towards more resource-efficient product designs while maintaining the required performance.”

The FASALOOP portfolio includes two technology families: FASALOOP PET, designed for polyester-based carpet constructions, and FASALOOP POD, developed for polyolefin-based artificial turf systems. Further information on FASALOOP and the entire product portfolio of the Fiber & Textile Auxiliaries Division can be found on the Zschimmer & Schwarz website.

FASALOOP® is an EU trademark registered in the European Union by Zschimmer & Schwarz.

FASALOOP enables closed-loop material cycles for carpets and artificial turf (Picture: bobey100/ iStock/Getty Images Plus via Getty Images)

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About Zschimmer & Schwarz

Zschimmer & Schwarz is a global supplier of chemical auxiliaries and specialties headquartered in Lahnstein near Koblenz, Germany. The company was founded in Chemnitz in 1894 and has been 100 % family-owned since. Having supplied specialty chemical solutions for more than 130 years, Zschimmer & Schwarz is positioned across industries with its seven business divisions. The company develops, produces and distributes tailor-made chemical auxiliaries for the leather, ceramic, textile and chemical fiber industries. Manufacturers of cleaning agents, personal care products, lubricants and industrial applications all over the world trust in the company's chemical specialties as well. The corporate group Zschimmer & Schwarz comprises 28 companies in 17 countries on five continents.

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