



SIMALFA® - Pioneering the Future in Recycling and Sustainability

PROJECT DESCRIPTION

ALFA Klebstoffe AG's sustainability journey began in 1972, when a Swiss family business was first founded. Their success in the polyurethane foam industry really took off at the end of the 1980s. With a clear vision of developing an eco-friendly alternative to solvent-based adhesives, ALFA Klebstoffe made significant advancements in the industrial sector through the development of their innovative solution, water-based adhesive formulation SIMALFA®.

This innovation was an important turning point in the shift away from environmentally detrimental solvent-based adhesives, catalyzing a move towards more sustainable adhesive technologies.

SIMALFA® facilitated transformation of the growing market of environmentally friendly, water-based adhesives, whilst moving the pursuit of more sustainable adhesive solutions forward through ongoing research and development.

PROJECT IMPACT

SIMALFA® is a pioneer in the adhesive industry with recyclable, sustainable innovations, driven by a commitment to ongoing development. These solutions tangibly reduce the Product Carbon Footprint (PCF) without necessitating new investments or changes to existing production lines.

Today, SIMALFA®'s innovations encompass a range from residue-free debonding adhesives and monomaterial-based formulations to chlorine-free (CR-free) adhesives, as well as the next generation 100% PP-based hotmelts and PES and bio-based hotmelts.

These products drive the transition towards a circular economy by supporting true upcycling, where the value of recycled materials is preserved - or even enhanced - without compromising their bonding abilities. These innovative solutions can further optimise recycling of flexible polyurethane foam, no matter whether mechanical or chemical recycling methods are used.

SIMALFA®'s path to sustainable adhesion continues to unfold, promising more exciting milestones for eco-friendly bonding in the polyurethane foam industry.



Image 1. Illustration of a SIMALFA® debond on PU foam sheets



Image 2. SIMALFA® water-based adhesives packaging. Source: SIMALFA®

ABOUT SIMALFA®

SIMALFA®, a water-based, eco-friendly adhesive by ALFA Klebstoffe AG, has become a globally recognized brand that revolutionized the adhesive industry and established new sustainability standards. Under Thomas Simmler, the second-generation leader of this Swiss family-owned company, ALFA Klebstoffe continues to innovate with a dedicated team, focusing on expanding its portfolio of sustainable adhesives. As a market leader, the company serves diverse sectors, exporting to over 90 countries, particularly in the Mattress Manufacturing & Foam Converting, Upholstery & Office Furniture, and Automotive & Transportation industries.

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