

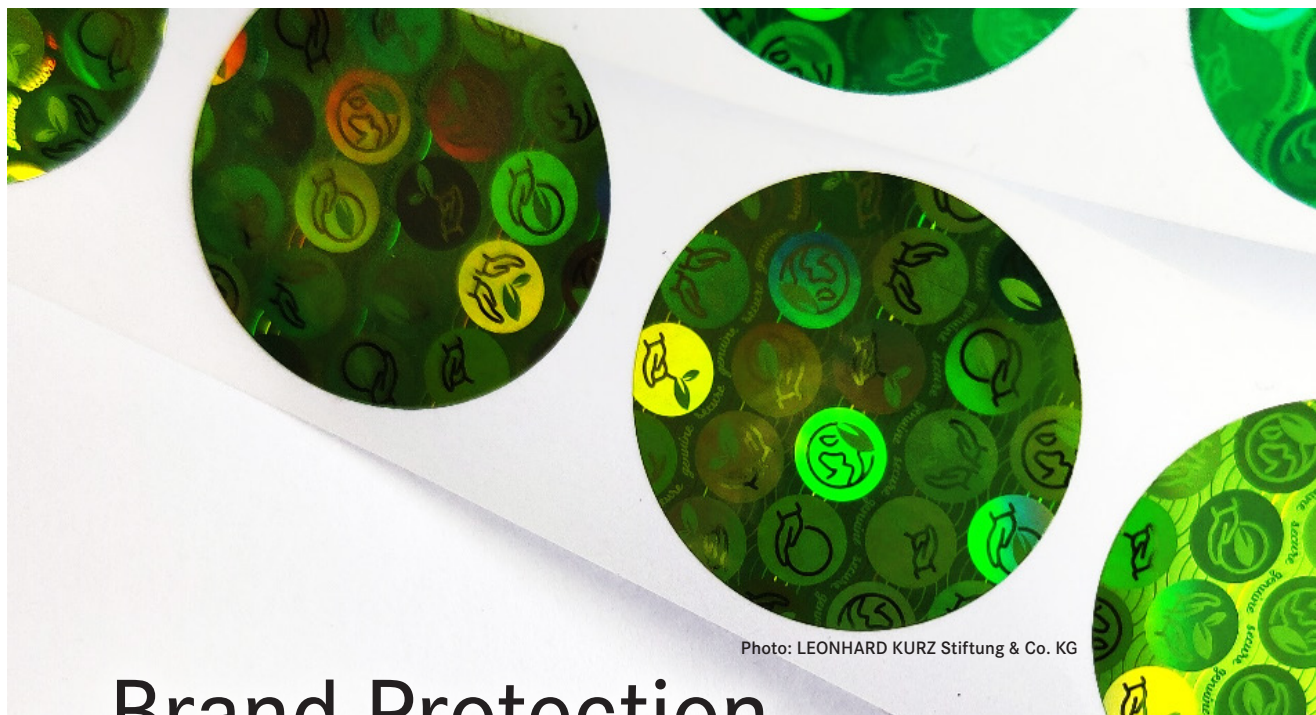


Photo: LEONHARD KURZ Stiftung & Co. KG

Brand Protection with Responsibility

Project:

Sustainable adhesive for tamper-evident labels

Year of execution

2023–2024

Application:

Security labels for brand protection

Customer:

LEONHARD KURZ Stiftung & Co. KG,
Fürth, Germany

Product:

Collano S31.3203

Characteristics:

Pressure-sensitive adhesive with excellent adhesion to paper and metallized face materials

Sustainability

Formulation based on renewable raw materials not relevant to the food chain

Website

kurz-world.com | kurz-scribos.com

Together with LEONHARD KURZ, Collano develops a resource-efficient pressure-sensitive adhesive for security labels

Counterfeit Protection Becomes a Priority

Counterfeiting increasingly affects a wide range of product categories, including electronic devices, spare parts, pharmaceuticals, clothing, accessories, and cosmetics, leading to substantial economic losses for original manufacturers. In response, companies are implementing security labels that indicate tampering and visibly confirm the authenticity of their products. Adhesives play a decisive role here: they must adhere reliably, must not come off unintentionally, and must also meet today's sustainability requirements. LEONHARD KURZ, a specialist in optical security features such as the TRUSTSEAL®, was looking for an adhesive partner to balance performance with eco-friendliness.

Sustainable Adhesive with Security Function

The objective was clear: a state-of-the-art security adhesive with a reduced carbon footprint without compromising functionality and product protection. In other words: excellent adhesion to paper and metallized materials, while reliably triggering the proof of opening upon label tampering or removal. Furthermore, the adhesive should be based on renewable raw materials that do not compete with the food chain.

Brand Protection with Responsibility

Solution: Development as Equals

In close cooperation, Collano and LEONHARD KURZ developed the adhesive Collano S31.3203. This is a new generation of water-based acrylic adhesives based on renewable raw materials. Notably, the polymerization used monomers derived from renewable resources (castor oil) that do not compete with food production.

The adhesive formulation was specifically tailored to interact with metallized and diffractive facestocks. The result: strong, reliable adhesion and a tamper-proof first-opening indicator.

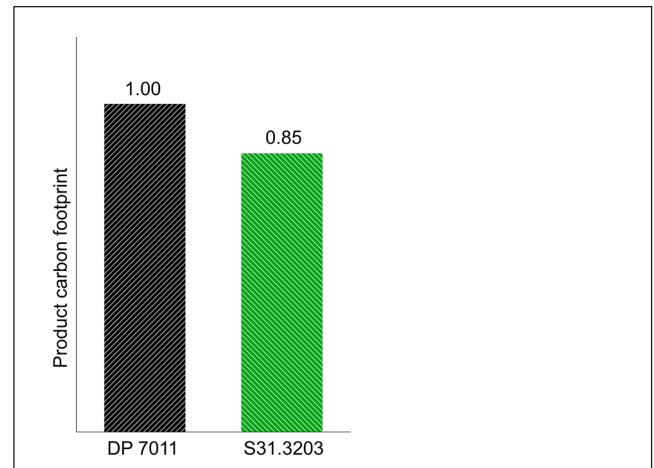
Functional, Secure, and Resource-Efficient

With the jointly developed adhesive, LEONHARD KURZ meets the highest security requirements while taking an important step toward greater resource efficiency. The new adhesive not only contributes to product and brand protection but also to environmental and climate protection.



With LEONHARD KURZ, we have found a partner who shares our commitment to sustainable innovation. The results demonstrate the considerable potential of responsibly developed adhesives to enhance product security while minimizing environmental impact.

Raphael Schaller, CTO Collano



Comparison of the product carbon footprint balance for two pressure-sensitive adhesives, normalized to Collano DP 7011. The bio-based Collano S31.3203 shows an approximately 15% better climate balance, compared to Collano DP 7011.