

Collano®



Smart bonding.

Durable or dampening?
Both and more.



More know-how, more service, more performance.

Collano can rely on decades of experience in the development of innovative specialty adhesives for a wide range of industrial and commercial applications. Competent experts guarantee sound advice and let you benefit from our in-depth knowledge and know-how. More service and more performance give you genuine added value and offer you the assurance of having the optimized solution for every given application.

Today, composites are the most important basic materials used by many industries. This is because sandwich elements by far outperform the properties of their individual constituents and can be precisely developed to meet specific requirements. Collano's Composites Division is staffed with experienced specialists in this domain and can serve you as a competent partner for innovative solutions.

Load-bearing components of railcars, aircraft, automobiles, and ships are exposed to enormous stresses. The locations where such elements interface must comply with a vast spectrum of requirements. The joints must be strong but elastic, impact- and vibration-resistant, noise-abating and weatherproof. Such applications very often rely on 2-component silane-epoxy adhesives. The individual layers of the lightweight sandwich elements are bonded with thermoplastic adhesive films.

Fire protection with composites.

Fire protection is an important issue wherever people convene. The regulations are becoming more and more rigorous, also increasing the scope of liability incurred by manufacturers. This is why great emphasis needs to be placed on the fire behavior of construction materials, particularly in public buildings and infrastructure facilities. Collano's flame-retardant adhesives bond a wide range of materials and improve the fire-resistance of composite elements by optimizing the properties of complete material systems.



Modern vehicle engineering requires high-strength yet simultaneously elastic bonds.



In ship interiors, sandwich elements with honeycomb panels result in significant weight savings.



Fire-retardant adhesives for façade and ceiling elements improve the degree of fire protection.

Ongoing innovation for speed junkies.

The ski and snowboard industry is a fast-moving business that must launch new developments and innovations year after year. Sports equipment is subject to ever new requirements, and constantly changing material combinations call for intelligent solutions. Collano adhesives guarantee the reliability of high-tech composites and occupy a leading position in ski and board manufacturing lines. Our thermoplastic adhesive films are simple to handle, environmentally sound, and impressive as regards their technical properties. The production process is cost-effective and lends itself to extensive automation. One of our specialties are multilayer films that can bond incompatible substrates and simultaneously function as barrier layers between disparate materials.

Innovative bonding systems for alternative energy sources.

The ability to harness alternative energy sources imposes strict requirements on the materials used and confronts our composite technology specialists with new challenges. This also applies to the cost-effective fabrication of low-weight, high-performance rotor blades with foam cores. They have low wind startup speeds yet can easily withstand gale-force winds. The situation is similar in the production of parabolic mirrors for solar power plants: they are made of materials with very different thermomechanical response profiles. The industrial bonding process must be highly efficient, result in low residual stresses, and assure the weather-resistance of the finished composite.

We look forward to inspiring your next ideas. Don't hesitate to contact us for answers to all your questions regarding our innovative composite systems.

Collano – Your partner for smart bonding.



In snowboards, for example, multilayer films make it possible to bond incompatible substrates.



New composite solutions for new energy sources.

Collano®



Smart bonding.



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