



Adhesive film for extreme conditions

Collano T24.2000

One adhesive, different worlds, one promise: uncompromising performance

Whether safety helmets, car seats, or skis: Collano T24.2000 sets new standards where extreme loads, design requirements, and process reliability come together. The reactive adhesive film is ideal for demanding composites in the manufacture of helmets, automotive interiors, and high-quality ski construction.

Your advantages at a glance

- **Activation from just 90 °C:** Energy-saving, ideal for temperature-sensitive materials.
- **Thermal resistance up to 230 °C:** Suitable for heat-stressed applications such as firefighter helmets or seat heating.
- **Very high peel and shear strength:** Secure bond even under dynamic loads
- **Homogeneous basis weight:** Smooth film surface (no orange peel effect) – ideal for a seamless look and deep embossing in seat designs.
- **Compatible with many substrates:** Flexible use with aramid, carbon, textiles, foams, and many more.
- **Solvent-free / OEKO-TEX® 100:** Safe handling, no VOC emissions.
- **Long shelf life** (12 months at room temperature): Easy storage, no refrigeration required.

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Applications

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Ski

When performance and robustness are required, Collano T24.2000 delivers uncompromising adhesive strength for high-performance multi-material ski constructions.

- Structural bonding of different substrates (wood, carbon, fiberglass, aluminum)
- Increases torsional stiffness and improves damping properties
- Dry, clean, and safe processing



Safety helmet

Where safety is the top priority, Collano T24.2000 impresses with its consistent adhesion and efficient processing – even under the toughest conditions.

- Lamination of aramid, carbon, and UHMW-PE layers
- Improved delamination resistance compared to epoxy and thermoplastic systems
- Up to 50% shorter process times compared to epoxies



Car seat

Collano T24.2000 provides design options and lasting quality in interior spaces – the adhesive for seamless surfaces, texturing, and durable bonds.

- Seamless lamination of textiles, foams, and sensitive materials such as leather and imitation leather possible
- Design-friendly thanks to embossing compatibility
- Durable despite heat, moisture, and use



Typical substrates

- Polyester, aramid, and carbon fiber fabrics
- Thermoplastic materials (PC, PA, TPU)
- Foams, textiles, spacer textiles, leather and imitation leather, wood veneer
- UHMW-PE layers, prepregs, 3D mesh materials

Properties

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Description

Thermally reactive adhesive film based on a PUR dispersion on a carrier paper.

Processing made easy

- Activation temperature: 90–150 °C
- Pressure: 1–5 bar
- Holding time: 30 seconds to 5 minutes – depending on structure
- Pre-lamination possible: from 50°C
- Suitable for: laminating machines, presses, ultrasonic welding

Delivery form

- Weight: 20–100 g/m²
- Roll width: up to 1500 mm
- Carrier: paper with olefinic coatings
- Roll core: 76 mm diameter
- Roll length: 100–400 linear meters
- Color: transparent-hazy, color adjustable

Oeko-Tex

Certified according to OEKO-TEX® Standard 100 once reacted.



Successful together

Our application engineers will assist you with:

- Sample laminates and test series
- Process optimization
- Material compatibility and quality assurance

Let us work together to bring your application to series production.

Contact

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