

ACTIVE. MORE ACTIVE!

Textile coatings - intelligent solutions for highest protection and comfort

UNIQUE IDEAS. UNIQUE SOLUTIONS.



COATINGS

Coating for coating of competence



IDEAL CLIMATE

You can face all kinds of weather thanks to the high breathability and waterproofing



ALWAYS STAY CLEAN

Textile floor coverings



SAFETY FIRST

Coatings impart to textile materials reliable flame retardancy and offer durable protection against soiling and staining.

> EXPANDING INNOVATIVE SOLUTIONS FOR TECHNICAL DEMANDS

The need for high-quality and sophisticated textiles is a growing issue throughout the world. At the same time, various requirements in many application fields are increasing and have to be fulfilled.

More often, classical materials such as leather and paper are being replaced by textiles. These can be lighter and more flexible or offer economical advantages. An additional coating step is often needed to give the textiles the desired properties.

The application fields range from work protection, sun and light protection, outdoor (clothing, tents, backpacks etc.) to the automotive industry, aircraft industry, rail vehicles (mobility sector) in addition to geo textiles, building protection, medical application, nonwovens and filters.

> ALL-ROUNDERS WILL OCCUPY THE FUTURE – HIGHEST PROTECTION AND COMFORT

Modern coatings excel through a combination of various functionalities. It is no longer sufficient to guarantee individual properties, but rather multifunctionalities, which seem to be contradictory at a first glance.

- hydrophilic/hydrophobic
- waterproof/water vapour permeability/windproof
- flexible at low temperatures/non-sticky at high temperatures/heat sealable
- flame retardant/hydrophobic/waterproof
- hydrophilic/oleophobic

The CHT Group develops sophisticated coating solutions with innovative processes and products fulfilling these complex challenges.

> MODERN PROCESS TECHNOLOGY LAYER FOR LAYER INNOVATION

Coating is the most important factor when producing functional textiles. New developments and progress never stand still. Technologies like the various types of compact and foam coating, coagulation, gel processes and dot printing belong to CHT's know-how.

Coatings are also applied today to combine different types of materials to each other. They can also serve for lamination with breathable membranes. Foam technology is becoming more important for this application field and it opens additional possibilities that cannot be achieved with traditional paste coatings. The steadily increasing costs for energy makes foam finishes more and more important.



WHERE TOP PERFORMANCE IS A DAILY ISSUE, PEOPLE REQUIRE

TEXTILE COMPETENCE WITH INTELLIGENT SOLUTIONS THAT ENABLE

THIS HIGH PERFORMANCE.



APPLICATIONS

Provide individual solutions



FIRST AID

Textile coatings make a major contribution to vital application fields.



SEPARATION DESIRED

Innovative finishes help to "separate the wheat from the chaff".



AN UNBEATABLE TEAM

Intelligent solutions always win when top performance is demanded.

> THE RIGHT CHEMISTRY COUNTS – HIGHEST QUALITY DEMANDS

The right chemistry is decisive. To serve the steadily increasing quality requirements and to guarantee the promised product properties in all applications, the chemistry has to be perfectly adapted to the final application field. Our coating solutions fulfil various international standards:

- Flame retardancy (DIN 4102/B1, NF-P 92503, BS 5852, FMVSS 302)
- Water and oil repellent properties and stain release (AATCC 118, AATCC 130, AATCC 20-2001)
- Water pressure resistance (DIN EN 20811)
- Water vapour permeability (breathability) (ISO 15496)
- Protective clothing (EN 532, EN 434)
- Light fastness (EN 15187)
- Black-Out, Transmission (AS/NZS 4399)
- Wash fastness (DIN ISO 6330)
- Air permeability (DIN EN ISO 9237)

> INTELLIGENT COATINGS

- Sun protection: black-out, blinds, dim-out, light-out, pleated fabrics, curtains
- Work protection: reflective clothing, protection from chemicals, liquid metals, welding protection, weather protection, military articles
- Outdoor and sports: clothing, backpacks, tents, parachutes
- Automotives: stain protection, flame retardance, antislip mats
- Geo textiles: oil separation, composting accelerators
- Building protection: roofing membranes, facade lining, reinforcement fabrics, bitumen-based flat roof coverings
- Medical application: surgical sheets, incontinence articles, bed linen for allergic persons
- Nonwovens / filter: technical filters, wiping cloths, window leather, dot coatings
- Home textiles: upholstery, tablecloths, roller blinds, abrasive wipes, carpet finishing
- Up-to-date modern effects
- Ink-Jet-coating, canvas for painting

> COATING COMPETENCE – ALWAYS ONE LAYER AHEAD

Demands for modern textiles are steadily increasing and these need the right chemistry as well as a sound technical knowledge.

Effective teamwork promotes results and provides flexible solutions.

By intensive, partner-oriented cooperation with our customers we establish convincing solutions in terms of economy and environment.



ALWAYS A COATING MORE EFFICIENT

Perfectly finished: Top-quality products combined with the coating know-how of CHT impart functionality and excellent performance fastnesses. By applying innovative procedures and products, textiles are given important properties for protection of humanity and environment. This results in multifunctional technical textiles with outstanding properties in wearing comfort, flame retardance, waterproofing and chemical repellence which comply with the steadily increasing functional demands in profession, leisure and sports.



BEZEMA

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