

TEXTILE
SOLUTIONS.

Textile
Auxiliary
Solutions.

CHT

SMART CHEMISTRY
WITH CHARACTER.

TECHNICAL TEXTILES

MEETING HIGHEST DEMANDS



GENERAL

For technical textiles, innovative, high-performance solutions combined with economic feasibility are more in demand than ever.

To achieve the desired diverse, in many cases contradictory properties, specific coatings are often necessary.

The CHT Group offers special solutions for many technical areas:

CONSTRUCTION & BUILDING TEXTILES

- **Textile roofing and roofing sheets**
Coatings must be waterproof and permeable to water vapor (SD value) and need to have good abrasion values and flame retardancy.
- **Sun protection textiles and sight screens**
Black outs in the form of vertical blinds, roller blinds or curtains, as well as awnings are mainly used here.
- **Carpets**
Stain-resistant finishes prevent dirt from penetrating the fibers and allow effective cleaning.
- **Upholstery fabrics**
Flame retardancy and good stain protection meet the requirements for public buildings.
- **Ceiling and wall coverings**
Both optical and technically required properties are achieved.

MEDICAL TEXTILES

- **Medical clothing** and surgical clothing for different protection classes
- **Surgical drapes**
- **Bed linen** and blankets for hospitals

PERSONAL PROTECTIVE EQUIPMENT

- **Protective workwear**
Modern coatings functionalize textiles and nonwovens for personal protective equipment (PPE). The very good protective effect and pleasant wearing comfort offer a wide range of applications:
 - Weather protection
 - Flame protection
 - Welding protection
 - Heat protection
 - Protective clothing for the metalworking industry
 - Chemical protection
 - Water- and oil repellence
 - Multifunctional clothing for fire and rescue services
 - Outdoor work such as forestry or construction etc.
 - Protection against electrostatic charging
 - Medical applications (s. Med. Textiles)

INDUSTRIAL TEXTILES

- **Antistatic Textiles**
- **Filters/ fine dust filters** for use in the
 - Cement industry
 - Waste or coal combustion (flame retardant and heat stable)
 - Food industry
 - Filter systems for air and water purification
- **Geotextiles**
Soil sealants or landfill textiles
- **Packaging systems** and bags

MOBILITY & TRANSPORTATION

The textile share in modern automotive construction and transportation is already very high and continues to grow with e-mobility.

In addition to technical requirements such as flame retardancy, UV protection, aging resistance, hot light fastness (FAKRA), fogging behavior, low emissions and many others, ecological aspects such as the ban on certain chemicals or the circular economy are also playing an increasingly important role.

Many applications can be covered by coatings:

Interior

- Stain protection and flame retardancy of headliners and side panels
- Interior insulation material
- Anti-slip coatings for securing cargo
- Flame retardant back coatings and laminations for seats or headrests

Engine compartment

- Stiffening and media-resistant finishes for filter materials

Carpets

- Carpet back coatings also in the trunk for stiffening and single-variety recycling
- Halogen-antimony-free products with limited fume emission are used to meet fire protection standards.

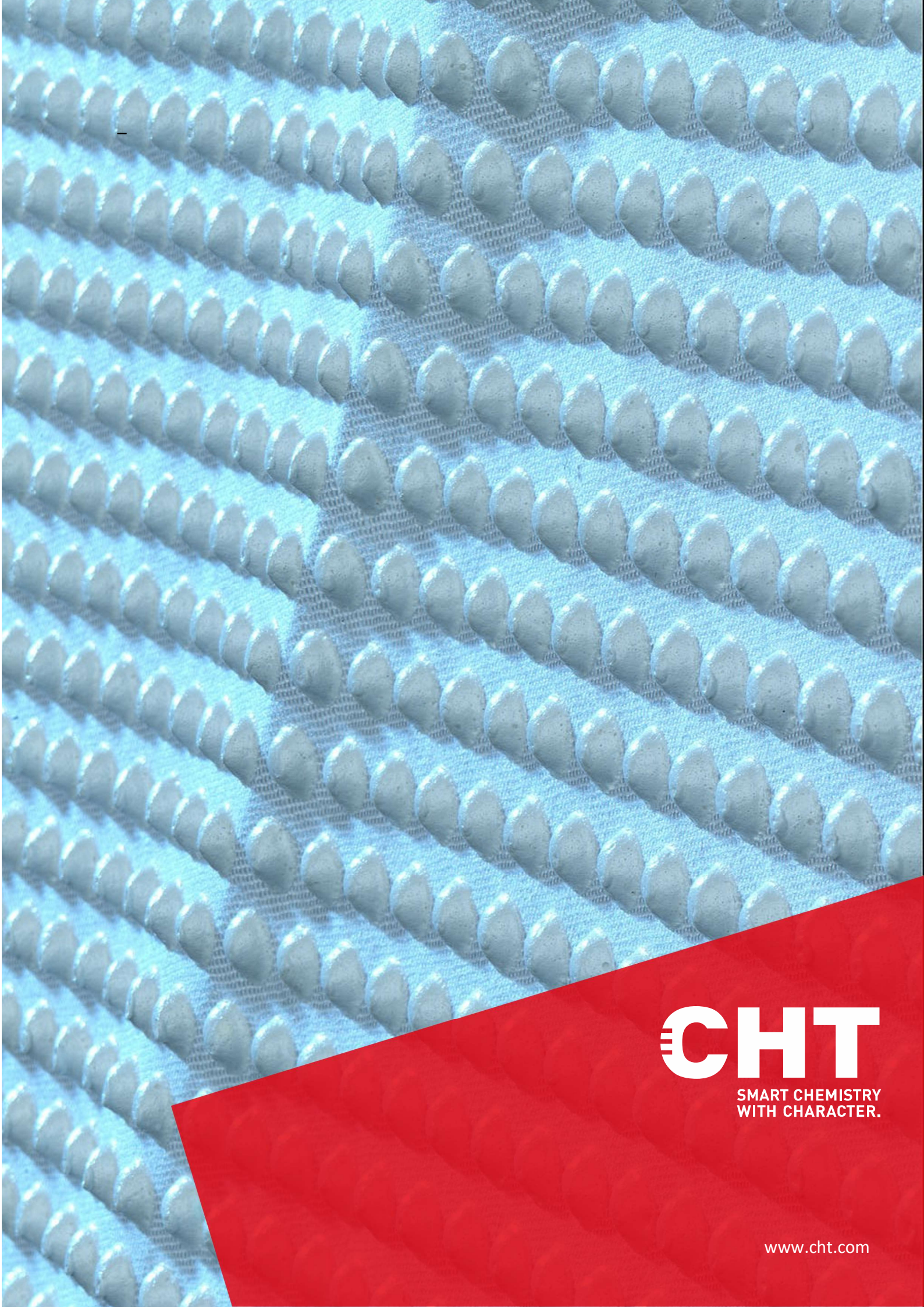
Upholstery fabrics

- In addition to flame retardancy, requirements for sew ability, velcro resistance and stain repellence are required.

Headliner and side coverings

- Roller blinds provide light protection, stiffening, dirt-repellent and flame-retardant properties.





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