

# Protective-Fabrics

**schoeller®-styltec** – lifestyle and function combined

**NEW!**

**schoeller®-dynatec** – high-tensile durability

**schoeller®-keprotec** – for maximum protection

Inspired by motorcycle sports and sailing, the schoeller®-styltec fabrics are both attractive and functional. They radiate lifestyle and stand for authenticity. They are technically impressive, offer the appropriate protection in active situations and are extremely comfortable to wear.

schoeller®-dynatec is a hard wearing fabric with good protective properties and a high level of stability. It is pleasant to the touch, can cope with heavy demands and has an attractive appearance. This is why it is used not only in clothing but also in luggage and office seating.

This extreme protective fabric was originally developed for motorcycle racing. High-tensile aramide fibres, such as Kevlar®, ensure high durability as well as temperature stability in combination with a high level of clothing comfort.

## Protection – protective fabrics for a safe, secure feeling.

Tailored physical protection, extremely abrasion proof and with additional individual functions offered various protective fabric groups from Schoeller are enhanced.

In addition to conventional tests, the fabrics for motor cycle protection are also subjected to special fall tests using a specialized crash simulator.

## Possible additional functions:

- Through the use of various additional finishes, special yarns and colour effects, further functions can be combined in order to optimize the fabric for the respective area of use, for example:
- Advanced Moisture Management 3XDRY®
  - Water and dirt repelling properties, such as NanoSphere®
  - Climate membrane c\_change™
  - ActiveSilver™



### Areas of use:

Jackets and trousers for winter sports and outdoor wear, in particular fashionable leisure jackets, modern menswear collection and accessories.

### Basic properties:

- High water and wind proofing
- Combination of fashion and luxury with upmost function
- Looks and function given equal priority
- Fabrics send out a sporty, fashionable message

**Possible fabric components:**  
Polyamide, coatings, finishes

### Construction:

Water and windproof fabric combinations as outer material. Material mix: frequently used in combination with c\_change™-membrane for water proofing. Innovative feel, special finishes and coatings.



### Areas of use:

Base material or trim for motorcycle wear, active sports wear, shoes, luggage, office seating.

### Basic properties:

- Good protective properties
- Abrasion proof
- Hardwearing
- Pleasant feel
- Attractive appearance

**Possible fabric components:**  
High-tensile polyamide developed specially for Schoeller, other polyamides such as Cordura®, elastic monofilaments.

### Construction:

Special fabric construction improves durability. In order to ensure this, there are versions woven with a high fibre density. Special mesh structures ensure ventilation combined with good protection.



### Areas of use:

Base material or trim for motorcycle wear, workwear, active sports wear, gloves, shoes.

### Basic properties:

- Highest protective properties
- Extremely abrasion proof and fall proof
- Tear resistant
- Temperature resistant
- High level of comfort

**Possible fabric components:**  
Cordura®, high-tensile polyamide, Kevlar®, different coatings and finishes.

### Construction:

For lasting protective properties, Schoeller has developed special production processes such as special weaving techniques and core spun Kevlar® yarns. This leads to fabrics which meet the highest requirements.

## schoeller®-reflex – extensive reflection

The introduction of a special reflective thread combined with a complex weave provides extensive protection in poor visibility conditions. When light shines onto this fabric millions of tiny glass beads reflect the light back (retro reflection). schoeller®-reflex can be applied to a wide range of different Schoeller fabrics as an optional extra.

### Areas of use:

Trim material for motorcycle wear, workwear, sport and leisure wear, equestrian wear, accessories, shoes.

### Basic properties:

- Visible at up to 100m due to retro-reflection in the dark/at twilight
- Hard-wearing
- Attractive look
- High level of comfort

### Possible additional functions:

Through the use of various additional finishes, special yarns and colour effects, further functions can be combined in order to optimize the fabric for the respective area of use, for example:

- EN-471 safety colour yellow
- Flame retarding
- Waterproof
- ActiveSilver™

### Possible fabric components:

Cordura®, 3M-Scotchlite™, polyamide, polyester.

### Construction:

Elastic and non-elastic, coated and bonded reflex fabric versions. Special airy mesh structures.