

Optimum protection through rub resistance

Fabric development

schoeller®-keprotec® was developed over fifteen years ago for motorcyclists' clothing. Research work was aimed at a fabric which would provide similar protective functions to those of leather (rub and tear resistance in a fall) but with greater comfort of wear (moisture permeable, less heating up) and offering greater freedom of movement. Through the use of reinforced aramide fibres (e.g. Kevlar® by DuPont) which up to then had been used primarily in astronaut's clothing and in high-quality sports equipment, Schoeller® succeeded in developing a fabric which met these high requirements. As similar needs had remained unfulfilled in other areas of use, Schoeller® modified this first *keprotec®* fabric and developed specific problem solutions for the most varied uses in extreme sports or for work protection and working clothes. Since the introduction of *keprotec®* in the mid-80s, Schoeller® has attained market leadership for protective fabrics with its qualitatively outstanding product range.

Areas of use

Trekking	Biking	Motor cycling
Snow-boarding	Skiing	Mountain-eering
Ski tours		Work wear

schoeller®-keprotec® is used when the highest protective functions are required combined with freedom of movement, weatherproofing features and comfort of wear:

- Work protection
- Mountaineering
- Cycling
- Motor cycling
- Skiing
- Ski tours
- Snowboarding
- Trekking

Uses:

- Inserts at particularly vulnerable areas (shoulders, knees, seat) in jackets and pants
- Basic material or trim for gloves
- Basic material or trim for shoes and boots

Characteristics

The fabric is particularly characterised by the following features:

- Extremely rub resistant
- Tear resistant
- Resistant to further tearing
- Increases the useful life of clothing
- Easy care

Finish:

Impregnated, water, oil and dirt resistant.

Fabric components:

Cordura®, Dynafil TS-70, Kevlar®, polyurethane

Environment label:

Eco Tex Standard 100

Brief description

schoeller®-keprotec® is a high tech fabric which is extremely rub and tear resistant. For years it has been the most extensively-tested protective fabric used in these markets.

Registered Trademarks:

Cordura®, Kevlar®: Dupont

schoeller® -keprotec®