



**Built for movement.
Designed for resistance.**

**> 250K
ABRASION**

BI-STRETCH

**WATER
REPELLENT**

**TACTICAL &
OUTDOOR**

IBQ-MEC-511

**THE ULTIMATE RUGGED AND
VERSATILE BI-STRETCH FABRIC
FOR OUTDOOR, TACTICAL &
DEMANDING APPLICATIONS**

YOU DO. WE PROTECT.

X IBQ[®]
TEXTILES PROTECTING LIVES

> 250K ABRASION BI-STRETCH WATER REPELLENT TACTICAL & OUTDOOR

PRODUCT CONCEPT

IBQ-MEC-511 is a high-strength bi-stretch plain weave fabric developed for outdoor, tactical and technical workwear applications. Built with 92% Polyamide and 8% Elastane (Lycra®) in a complex 4-way stretch woven construction, it combines tear strength, abrasion resistance, snagging resistance, pilling performance and wearer comfort in a 250 g/m² construction.

Available as a 3-layer laminated version, IBQ-MEC-511-JRS-WR adds a waterproof and breathable PU membrane with polyester jersey backing, increasing the weight to 330 g/m² for enhanced weather protection. An engineered matching seam tape is also available.



BI-STRETCH COMFORT
92% Polyamide and 8% Elastane construction for flexibility, wearer comfort and freedom of movement.



> 250K ABRASION
Minimum 250,000 Martindale cycles according to EN ISO 12947-2.



TEAR RESISTANCE
Up to **90 N weft** in IBQ-MEC-511-WR, **75 N weft** in IBQ-MEC-511-CAM-DWR and **110 N weft** in IBQ-MEC-511-JRS-WR, according to EN ISO 13937-2.



WATER REPELLENT
Spray test rating **ISO 4-5** for WR and JRS-WR versions, and **ISO 4** for CAM-DWR, according to EN ISO 4920.

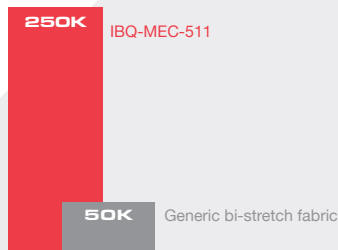


DURABLE SURFACE
Pilling rating **4-5 after 7,000 rubs**, with strong abrasion, snagging and surface resistance depending on the version.



HIGH TENSILE STRENGTH
1200 N warp / 1500 N weft in the base WR and CAM-DWR versions.

ABRASION RESISTANCE EN ISO 12947-2 · MARTINDALE CYCLES



IBQ-MEC-511 delivers up to 5x higher abrasion resistance than a standard technical stretch fabric.

CERTIFICATION PROFILE APPLICABLE TO IBQ-MEC-511-WR AND IBQ-MEC-511-CAM-DWR

TEST	RESULT	ENTITY	STANDARD
High visibility clothing	PASS	AITEX	EN ISO 20471:2013
Motorcycle impact abrasion test	AA Zone 2	OMEGA	EN 17092

FIELDS OF APPLICATION



MOTORSPORTS



MOUNTAIN & ADVENTURE



TACTICAL

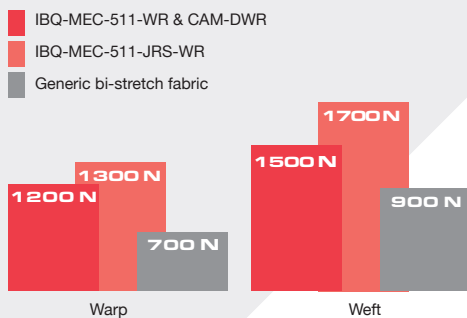


WORKPLACE



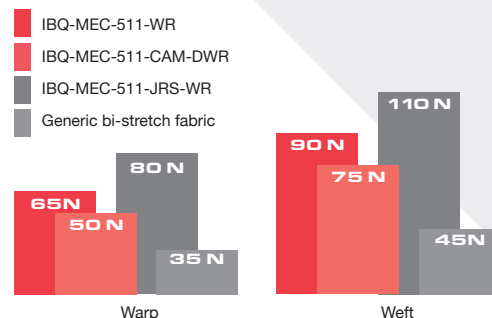
EMERGENCY RESPONSE

TENSILE STRENGTH STANDARD: UNE-EN-ISO 13934-1



High tensile strength for demanding outdoor, tactical and workwear applications.

TEAR RESISTANCE — TROUSER SHAPED STANDARD: EN ISO 13937-2



Scan this QR code to discover the full technical advantages of IBQ-MEC-511 and its WR, CAM-DWR and JRS-WR versions.

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