



# Tecasafe® Plus

INDUSTRIAL SAFETY

The TenCate Tecasafe® Plus collection is a range of inherently heat- and flame-resistant fabrics.

**XL 490 ARC 2 - 490 g/m<sup>2</sup>**

## Electric arc Class 2: Comfortable protection.

TenCate Tecasafe® Plus is a collection of inherently heat- and flame-resistant fabrics that offers excellent protection against flash fire and electric arc. Above all, these fabrics are comfortable, soft and breathable, with superior moisture management.

This new, comfortable TenCate Tecasafe® Plus fabric provides protection that complies with the Class 2 protection level (EN IEC 61482-1-2). The fabric consists of two layers, combined into one single fabric, with a woven fabric on the outside and knitwear on the inside.

**Excellent electric arc Class 2 protection** – Being certified for Class 2 protection means this new fabric provides excellent protection against electric arc.

**More comfortable** – The fabric feels soft and supple, and incorporates more breathability. Due to its excellent moisture management properties, the wearer feels cooler, dryer and more comfortable.

**FR protection built in** – The fabric protects against severe body burns caused by exposure to electric arc, flash fire or other heat and flame hazards. The protective properties are inherent in that they will not wash or wear out.

**Anti-static properties** – Thanks to the TenCate Static Control fibre that is 'gridlocked' into this fabric, TenCate Tecasafe® Plus fabric is anti-static and protects against the risk of an explosion.

**Pilling resistant** – Even after extensive laundering, the fabric is resistant to pilling, and retains its strength and colour.

**High-visibility option** – There is an option of inherent FR protection in combination with high-visibility yellow.

**Environmentally friendly** – Thanks to the use of bio-cellulosic fibres, TenCate Tecasafe® Plus fabrics are more environmentally friendly than cotton or viscose.



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Technical data	TenCate Tecasafe® Plus	Test method
Quality	XL 490 ARC 2	
Width	147 cm (+2/-1 cm)	ISO 3801: 1978
Weight	490 g/m <sup>2</sup> (± 5%)	ISO 3932: 1980
Composition	<b>Woven fabric on the outside:</b> 51/43/5/1% PPAN-fr/lyocell/para-aramid/ Static-Control™ <b>Knit wear on the inside:</b> 45/35/20% PPAN-fr/lyocell/aramid	
Construction	2/1 twill	
Available finishes	Standard: Hydro-Tec. Optional: Comfort	
Tensile strength	950 N x 750 N (±10%) *	ISO 13934-1: 1999
Domestic laundering Industrial laundering	60 °C	
PPE requirements	optional:	
<b>Certification</b>		
	Industrial flame & heat hazards	EN ISO 11612 A1,A2,B1,C2,F3: 2008** and ***
	Electric Arc	EN IEC 61482-1-2, class 2: 2007
	Anti-Static for explosion risk	EN 1149-5: 2008, EN 1149-3: 2004 **
	High Visibility colour: Yellow	EN 20471: 2013 **
	General requirements****	ISO 13688: 2013

\* Test result from initial testing. Data ranges may change as more data are acquired.

\*\* Certification pending

\*\*\* After pre-treatment (according to ISO 15797, 1 wash procedure 8 (60 °C) and 1 tumble drying (procedure A) (max. 70 °C outlet temperature).

\*\*\*\* Tested on specific colours



Member of the E.T.S.A.



### TenCate Protective Fabrics

TenCate is the world's No. 1 producer of protective fabrics for the manufacturing of safety wear. We supply garment-makers with an extensive range of top-quality and technologically advanced fabrics.

Our fabrics become lifesaving garments for firefighters, industrial workers, military personnel and other professionals working under hazardous conditions in danger zones around the world.

We work closely with our customers, end-users, fibre and chemical manufacturers and independent laboratories. As a result, TenCate Protective Fabrics is the one source the world looks to for leadership in knowledge of materials, consistent product quality, and a proven commitment to service excellence.

TenCate is a trademark of Royal Ten Cate nv. Tecasafe is a trademark of Ten Cate Protect bv.  
Ten Cate Protect bv is a subsidiary of Royal Ten Cate nv.

materials that make a difference

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