

The TenCate Tecasafe[®] collection is a range of inherently flame-resistant fabrics.

XA 9002 – 250 g/m²

Inherently flame-resistant fabric

Multi-risk protection

49/42/5/3/1% PPAN-fr/Cotton/Para-aramid/Polyamide/Static-Control™

TenCate Tecasafe[®] - XA 9002 is an inherently flame-resistant fabric with a 2/1 twill construction and complies with Öko-Tex Standard 100. This fabric is not only cool and breathable, thanks to its high cotton content, but also highly durable due to the use of para-aramid and polyamide fibres.

Outstanding value – Suitable for application in protective clothing used in, for example, the metal, utilities, chemical, energy, construction and military sectors, and fire fighters' station wear.

Multi-risk protection – Protects against heat and flame, electric arc, static electricity and liquid chemicals (optional).

Optional: High-visibility yellow – Complies with EN 471: 2003.

Premium thermal protection – Protects against convective and radiant heat. Tested according to EN ISO 11612 A1,A2,B1,C1,E1: 2008 (Industrial flame & heat hazards).

Anti-static for explosion risk protection – TenCate Static-Control™ is a core conductive filament yarn and is 'gridlocked' into the fabric (complies with EN 1149-3: 2004).


















Limited chemical protection – Protects against splashes, thanks to Hydro-Tec, an innovative nanotechnology finish (complies with EN 13034: 2005).

Highly durable – FR properties are built-in with excellent price/quality performance.

Long-lasting looks – Available in a wide-range of colours. The fabric has been thoroughly tested for its protective properties and has also been submitted to an extensive range of washing and durability tests at independent testing institutes.



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Technical data	TenCate Tecasafe®	Test method
Quality	XA 9002	
Width	152 cm (+2/-1 cm)	ISO 3801: 1978
Weight	250 g/m ² (± 5%)	ISO 3932: 1980
Composition	ppan-fr/co/para-aramid/pa/Static-Control™ 49/42/5/3/1%	
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	75 °C	
Protection	Multi-risk	
PPE requirements**	     optional: 	
Certification		
	Industrial flame & heat Hazards	EN ISO 11612 A1,A2,B1,C1,E1,F1: 2008
	Welding***	EN ISO 11611, class 1: 2007
	Electric arc	EN IEC 61482-1-2, class 1: 2007
	Anti-Static for explosion risk	EN 1149-5: 2008, EN 1149-3: 2004
	Liquid chemicals*	EN 13034, type 6: 2005
	High Visibility colour: Yellow Contrast colours: Ice 89049, Iron 89091, Canyon 89073	EN 13034, type 6: 2005 + A1: 2009
	Öko-Tex Standard 100	

* Hydro-Tec finish only

** Copyright symbols: NEN, Delft (Netherlands)

*** Although this fabric full-fills the requirements of EN ISO 11611, fabrics out of the TenCate Tecapro® - collection are more suitable for welding applications

Standard colours

Dark Blue
89042

Ice
89049

Yellow (EN 471)
89069

Iron
89091

The colours above are standard colours and available with a minimum order length of 100 metres. Colours shown are references only.

Optional colours



TenCate, the world's textile dyeing expert, can produce the TenCate Tecasafe® fabrics in almost any colour. Minimum order 1400m; larger orders in multiples of 1400m. Other lengths possible at additional charge. For more information about colour-combination requirements, as well as any other information you may need, please contact TenCate.



Member of the E.T.S.A.



TenCate Protective Fabrics

TenCate Protective Fabrics consists of three companies: TenCate Protective Fabrics EMEA, TenCate Protective Fabrics Americas en TenCate Protective Fabrics Asia. We develop and produce the most comprehensive range of proven, high-performance fabrics used to make protective clothing.

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.

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materials that make a difference

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