



# Defender™ M

MILITARY & POLICE

The TenCate Defender™ M collection is a range of inherently heat- and flame-resistant fabrics.

DP 9210 – 210 g/m<sup>2</sup>

**Inherently heat- and flame-resistant fabric**  
**Lenzing® FR/aramid/polyamid/Static-Control™**

TenCate Defender™ M - DP 9210 sets the standard for inherently heat- and flame-resistant fabrics with excellent colour properties in the dark shades blue and black. This fabric is not only cool and breathable, thanks to its high Lenzing® FR content, but also highly durable due to the use of meta-aramid, para-aramid and polyamid fibres.

**Superior thermal protection** – Protects against heat and flame (complies with EN ISO 11612 A1,A2,B1,C1: 2010).

**Highly comfortable** – Lightweight, breathable and excellent moisture absorption. The fabric feels soft and supple.

**Extremely durable** – Excellent abrasion resistance to provide a long useful garment life. The flame-resistant properties are built in and cannot be washed out.

**Colour** – Superior light fastness and colour fastness after multiple washes.

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

**Outstanding value** – Suitable for application in protective clothing for the markets, such as Marine Corps, air forces and police forces (including riot police and special squads), which principally wear the colours black or dark blue for their operations.

**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).

**Flashover protection** – Tested at 4 seconds in a sea of flames at a temperature of 800°C (Instrumented mannequin test - ISO 13506: 2008).

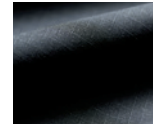
**Petrol repellent finish** – Standard.



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Technical data	TenCate Defender™ M	Test method
Quality	DP 9210	
Width	163 cm (+2/-1 cm)	ISO 22198: 2006
Weight	210 g/m <sup>2</sup> (±5%)	ISO 3801: 1977
Composition	Lenzing® FR/aramid/polyamid/Static-Control™	
Construction	Ripstop plain	
Available finishes	Petrol repellent finish	
Tensile strength	800 N x 700 N (±10%)	ISO 13934-1: 1999
Tear strength	35 N x 30 N (±10%)	ISO 13937-2: 2000
Abrasion resistance on Martindale	80.000@12kPa	ISO 12947-2: 2002 EN 14325: 2004
Dimensional stability	±3%	ISO 5077: 2007
Colour fastness to light	≥6	ISO 105 - B02: 1994
Flame resistance	meets ISO 14116:2008 Index 3	ISO 15025: 2000
Heat resistance 180°C	±5% shrinkage. Does not melt or self ignite.	ISO 17493: 2000
Washing symbols		
PPE requirements*		
<b>Certification</b>		
	Industrial flame & heat hazards	EN ISO 11612 A1, A2, B1, C1: 2010
	Wildland fire fighting	EN 15614 A1 + A2: 2007
	Anti-static for explosion risk	EN 1149-5: 2008, EN 1149-3: 2004
	Liquid chemicals	EN 13034, type 6: 2005
	Resistance to penetration by liquids	BS 7971-10, clause 5.13

**Available colours**



TenCate Defender™ M – DP 9210 is available in the shades black and dark blue

\* Copyright symbols: NEN, Delft (Netherlands)



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.

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