

**TenCate thermal liner:
CZ 750 – 145 g/m²**

Great value thermal liner with a long lifespan

The TenCate - CZ750 thermal liner is engineered to be an affordable yet durable fabric. The inherent heat- and flame-resistant properties provide every garment with an extra layer of protection that cannot wash out or wear out. Thanks to the Wickwell™ Plus finish, the liner conducts perspiration quickly away from the body. What's more, the use of meta-aramid and para-aramid fibres makes the fabric strong and stable. In short, the TenCate - CZ750 is a versatile thermal liner: an affordable solution with good performance characteristics.

Comfortable – A flexible thermal liner that is thin and light (145 g/m²).

Moisture management – Wickwell™ plus technology moves perspiration away from body, spreads moisture for improved dissipation and unmatched wickability.





Good thermal protection – The inherent heat- and flame-resistant properties can't be washed or wear out.

Anti-static for explosion risk protection – TenCate Static-Control™ is a core conductive filament yarn (complies with EN 1149-5: 2008, testmethod EN 1149-3: 2004).

Complete system – TenCate is able to supply all the components of the fire fighters turn out gear: outer shell, moisture barrier, thermal barrier, thermal liner, reinforcement and cuffs.

These fabrics are made by TenCate Protective Fabrics, the largest supplier of FR fabrics in the world.



Technical data	TenCate thermal liner	Test method	Standard colour
Quality	CZ 750		 <p>Gold 89320</p> <p>The colour above is a standard colour and available with a minimum order length of 100 metres. The colour shown is a reference only.</p> <p>* Copyright symbols: NEN, Delft (Netherlands) ** After pre-treatment (five wash/dry cycles according to ISO 6330:2012. Procedure 6N (60°C) with tumble drying (Procedure F) (max. 60 °C outlet temperature). *** As received</p>
Width	163 cm (+2/-1 cm)	ISO 22198: 2006	
Weight	145 g/m ² (± 5%)	ISO 3801: 1977	
Composition	93/5/2% Meta-aramid/Para-aramid/Static-Control™		
Finish	Wickwell™ Plus		
Tensile strength	750 N x 700 N	ISO 13934-1: 1999 (> 450)	
Protection	Thermal liner for firefighters turnout gear		
PPE* requirements			
Domestic laundering			
Certification			
	 Firefighting	EN 469: 2005	
	General requirements	EN 13688: 2013	

Summary of results EN 469: 2005				
Property	Test method	EN 469: 2005 requirements	Results obtained	PASS
6.1 Flame spread	EN ISO 15025: 2002 Procedure A	ISO 14116:2008 Index 3: No flaming to edge - No hole formation - No flaming or molten debris - Mean afterflame ≤ 2s - Afterglow not to spread	ISO 14116:2008 Index 3: No flaming to edge - No hole formation - No flaming or molten debris - No afterflame - No afterglow	PASS**
6.5 Heat resistance	ISO 17493: 2000 at 180 °C	Materials shall not ignite or melt Shrinkage ± 5%	Material did not ignite or melt. Max. Shrinkage: < 1%	PASS***
6.9 Dimensional change	ISO 5077: 1984	Max ± 3% (- = shrinkage)	Warp: 0,0% Weft: -0,5%	PASS**


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. Ten Cate Protect bv is a subsidiary of Royal Ten Cate nv.



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