

TENCATE
Tecashield

EMERGENCY RESPONSE

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

KR 610 – 545 g/m² (Arashield™)

Inherently heat- and flame-resistant fabric
Reinforcement: 100% para-aramid with high solid double face polymer coating

The TenCate Tecashield® - KR 610 (Arashield™) is lighter yet stronger than other reinforcement materials, such as leather. This fabric is to be applied in places where exposure to abrasion is highest e.g. knees and elbows. Due to the combination of 100% para-aramid woven fabric with a high solid polymer double face coating this fabric has exceptional strength and thermal protection.

Outstanding value – Suitable for application as reinforcement for fire fighters turnout gear, military combat suits and protective clothing for law enforcement and the metal sector.

Excellent thermal performance – Withstands extreme temperatures due to high solid polymer coating on both sides of the fabric.

Optimal comfort – Maximum flexibility due to the combination of the woven fabric and high solid polymer coating.

Liquid chemicals and water protection – Excellent protection against water and hazardous liquid chemicals.

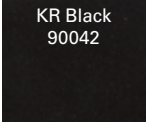
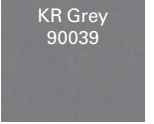
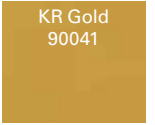






Unbeatable durability – The fabric has exceptional resistance to abrasion and has been thoroughly tested for its protective properties and has also been submitted to an extensive range of washing and wearing tests at independent testing institutes.

Superior cut and puncture resistant – Complies with EN 388: 2003.

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.



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Technical data	TenCate Tecashield®	Test method	Standard colours
Quality	KR 610 (Arashield™)		
Width	153 cm (+2/-1 cm)	ISO 3801: 1978	 
Weight	545 g/m ² (± 10%)	ISO 3932: 1980	
Composition	100% para-aramid with high solid polymer coating		
Protection	Reinforcement		
Tensile strength	2000 N x 700 N (± 10%)	ISO 13934-1: 1999	
Martindale abrasion	> 100.000	ISO 12947-2: 2002	
Laundry shrinkage	0,5 x 0,5	ISO 5077: 2007	
PPE* requirements			
Washing symbols			
Certification			
	Firefighting	EN 469: 2005	* Copyright symbols: NEN, Delft (Netherlands)
	Heat and flame retardancy	EN ISO 11612 A1, A2, B2, C1, E3: 2008	** After pre-treatment (five wash/dry cycles according to EN ISO 6330: 2000. Procedure 2A (60°C) with tumble drying (Procedure E) (max. 70°C outlet temperature).
	Welding	EN ISO 11611, class 1: 2007 EN 470-1: 1995	*** As received
	Protection from mechanical risks: abrasion, blade cut, tear and puncture resistance.	EN 388: 2003, EN 530: 1995	

The colours above are standard colours and available with a minimum order length of 50 metres. The colours shown are a reference only.

* Copyright symbols:
NEN, Delft (Netherlands)
** After pre-treatment (five wash/dry cycles according to EN ISO 6330: 2000. Procedure 2A (60°C) with tumble drying (Procedure E) (max. 70°C outlet temperature).
*** As received

Results EN 469: 2005				
Property	Test method	EN 469 requirements	Results obtained	PASS/level
6.1 Flame spread	EN ISO 15025: 2002 Procedure A	EN 533 index 3: No flaming to edge - No hole formation - No flaming or molton debris - Mean afterflame ≤ 2s - Afterglow not to spread	EN 533 index 3: No flaming to edge - No hole formation - No flaming or molton 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. Shrinkage < 1%	PASS***



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 and 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. Tecashield is a trademark of Ten Cate Protect bv. Ten Cate Protect bv is a subsidiary of Royal Ten Cate nv.

Q1-2013 Please check our website for the latest product information.



materials that make a difference

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