





































OUTER-SHELL					
Productname	Composition	Blend	Weight (± 5%)	PPE-requirements	
				Standard	Optional
TenCate Millennia™ - MI 9180	para-aramid/PBO/Static-Control™	59/39/2%	180 g/m <sup>2</sup>	    	
TenCate Gemini XTL™ - GE 9205	para-aramid/PBI®/Static-Control™	59/39/2%	205 g/m <sup>2</sup>	  	
TenCate Advance™ - AV 9200	para-aramid/meta-aramid/Static-Control™ (piece dyed)	78/20/2%	200 g/m <sup>2</sup>	   	
TenCate Tecashield® - BX 9220	meta-aramid/para-aramid/Static-Control™ (piece dyed)	93/5/2%	220 g/m <sup>2</sup>	  	
TenCate Tecashield® - BV 9120	Nomex® III/para-aramid/Static-Control™ (piece dyed)	94/5/1%	265 g/m <sup>2</sup>	   	 

THERMAL-MOISTURE BARRIER					
Productname	Composition	Weight (± 5%)	PPE-requirements		
			Standard	Optional	
TenCate - CX 140	Thermal-barrier: 3-D spunlace non-woven (meta-aramid/para-aramid)	140 g/m <sup>2</sup>	 		
TenCate - CX 210	Membrane: ePTFE/PU BI-component	210 g/m <sup>2</sup>	 		

THERMAL-BARRIER WITH THERMAL-LINER					
Productname	Composition	Weight (± 5%)	PPE-requirements		
			Standard	Optional	
TenCate - CQ 705	Thermal-barrier: 3-D imaged spunlace non-woven (meta-aramid/para-aramid)  Thermal-liner: GoldCheck™ patterned facecloth Kevlar filament and FR rayon/para-aramid/nylon, spun yarns	210 g/m <sup>2</sup>			
TenCate - CQ 700	Thermal-barrier: aramid (needle punched non-woven) Thermal-liner: meta-aramid	245 g/m <sup>2</sup>			
TenCate - CQ 8	Thermal-barrier: aramid/FR-viscose (needle punched non-woven) Thermal-liner: meta-aramid/FR modacrylic	270 g/m <sup>2</sup>			




THERMAL LINER					
TenCate - CZ 705	GoldCheck™ patterned facecloth Kevlar filament and FR rayon/para-aramid/nylon, spun yarns	130 g/m <sup>2</sup>			

REINFORCEMENT					
Productname	Composition	Weight (± 5%)	PPE-requirements		
			Standard	Optional	
TenCate - KR 610	100% para-aramid with high solid double face polymer coating	545 g/m <sup>2</sup>	  		

EN-Symbols					
 Fire fighters EN 469: 2005	 Heat & flame EN ISO 11612: 2008 or EN 531: 1995	 Anti-static EN 1149-3: 2004 or EN 1149-1: 2001	 Welding EN ISO 11611: 2007		
 Liquid chemicals EN 13034: 2005	 Foul weather EN 343: 2003	 Mechanical risks: abrasion, blade cut, tear and puncture resistance			

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Protective Fabrics      Geosynthetics  
 Outdoor Fabrics      Industrial Fabrics  
 Aerospace Composites      Grass  
 Armour Composites

TenCate Protective Fabrics supplies all the protective layers required for fire fighting apparel. Every layer is developed with specific functionalities. All layers are coordinated as one integrated system. These systems are all inherently heat- and flame-resistant , tested to EN 469, level 2: 2005 , and are anti-static for explosion risk .



## Millenia™



### 450 SYSTEM - 450 g/m<sup>2</sup>

*MI 9180 + CX 140 + CZ 705*

- The lightest multi-layer system available
- PBO is the world's strongest fibre for outer-layer
- Exceptionally breathable
- Stays supple, strong and flexible even after thermal exposure
- Outstanding solution for both fire fighting and search & rescue operations



## Millenia™



### 530 SYSTEM - 530 g/m<sup>2</sup>

*MI 9180 + CX 140 + CQ 705*

- PBO is the world's strongest fibre for outer-layer
- Exceptional breathable properties
- Thermal barrier is 3D spunlace non-woven
- Stays supple, strong and flexible even after thermal exposure
- Outstanding solution for both fire fighting and search & rescue operations



## Advance™



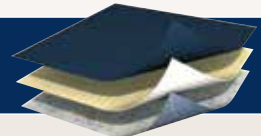
### 580 SYSTEM - 580 g/m<sup>2</sup>

*AV 9200 + CX 140 + CQ 700*

- Very strong and durable due to high para-aramid content in outer-layer
- Available in various colours
- Thermal barrier is needled non-woven (aramid fibres)
- Special finish ensures better moisture regulation and greater comfort
- Optimum balance between insulation and preventing heat stress



## TENCATE



### 635 SYSTEM - 635 g/m<sup>2</sup>

*BX 9220 + CX 140 + CQ 8*

- Producer coloured meta-aramid fibre in outer-layer for excellent colour and light fastness
- Durable and strong
- Thermal barrier is needled non-woven (aramid and FR viscose fibres)
- Special finish ensures better moisture regulation and greater comfort
- High thermal protection



Protective Fabrics

Outdoor Fabrics

Aerospace Composites

Armour Composites

Geosynthetics

Industrial Fabrics

Grass