



NEXT TO SKIN CONFIDENCE

NFPA-CERTIFIED PERFORMANCE

This versatile fabric serves as a comfortable FR base layer as well as an outer layer, thanks to full NFPA 2112 certification.

LIGHTWEIGHT AND ADAPTABLE

Designed for hot weather environments, this lightweight, next-to-skin solution is ideal for integration in multi-fabric garment systems.

STAY COOL, STAY DRY

With integrated moisture-wicking Coolderm® technology, the breathable design helps troops remain cool, comfortable, and focused – maximizing performance in the heat of action.

TECASAFE® PLUS

TECHNICAL DATA*	TECASAFE® PLUS TECHT5™
Nominal Weight	5.4 osy (183 gsm)
Construction	Jersey Knit
Fiber Content	Lyocell, Modacrylic, Aramid
Certification(s)	NFPA 1975, NFPA 2112, ASTM 1506

Thermal Testing			
Manikin Burn NFPA 2112	Predicted Body Burn (4-seconds)	≤ 50 % with head	
Energy Breakopen Threshold NFPA 70E, ASTM 1959	PPE Category	Category 1	
Vertical Flame ASTM 6413	Initial and 100x after wash	After flame	≤ 2.0 sec
		Char length	≤ 4.0 in (101 mm)
Thermal Shrinkage NFPA 2112	Initial and 3x after wash	≤ 10 %	

Physical Testing			
Burst Strength - Ball Method ASTM D3787	≥ 40 lbf (178 N)		
Burst Strength - Mullen Method ASTM D3786	≥ 40 psi (275 kPa)		
Dimensional Stability AATCC 135 3, IV, Aiii	After 5x cycles	± 5 %	

Comfort	
Air Permeability ASTM D737	≥ 300 cfm (152 cc/sec)

Appearance (Score 5 Best to 1 Worst)			
Colorfastness	Laundering AATCC 61 2A, 1x cycle	Shade change	Up to 3.0-4.0 *
	Xenon Light Exposure AATCC 16.3	Shade change	Up to 3.0 *

AVAILABLE COLORS	OPTIONAL COLORS
<div>Navy</div> <div>Heather Gray</div> <div>Khaki</div>	<p>Additional color options may be available. Please contact TenCate Protective Fabrics for more information.</p> <p>Color shades and textures may vary. Please contact your sales representative for swatch samples.</p>

Sunlight/UV Exposure Advisory: Prolonged sunlight and UV exposure can be damaging to aramid fibers. Both natural (undyed) and dyed aramid fibers will fade or change color with exposure to sunlight or other UV sources. The thermal performance is not affected, but long term or repeated exposures will cause the fabric to gradually weaken. Garments should be stored so that they are protected from sunlight, including windows and bay doors, to maximize wear life. TenCate Protective Fabrics offers no warranties, implied or otherwise, for color change or fabric damage due to UV exposure.



STANDARD 100
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TenCate Protective Fabrics
is certified according:



Corporate
Social
Responsibility

All mentioned data must be considered as indicative values. To the best of our knowledge all information contained herein is accurate. TenCate Protective Fabrics declines any form of liability related to the use of the attached specimen that shall be regarded as a sample only and therefore not meant to be used in any form of garment making.