

| **TECASAFE® PLUS**



**MAKE ANY
CONDITION YOUR
COMFORT ZONE**

Tecasafe® Plus 700

COOL, DRY, AND COMFORTABLE

Integrated wicking Coolderm™ offers enhanced moisture management to promote body temperature regulation and breathability.

COLOR AND CONFIDENCE

Tecasafe® Plus stands up to repeated laundering and resists fading in both light shades and Truecolor™ technology-powered dark shades.

ECO-FRIENDLY

Features sustainably-sourced, eco-friendly Tencel® Lyocell, with EPD® for measurable impact.

TECASAFE® PLUS

TECHNICAL DATA*	TECASAFE® PLUS 700	TECASAFE® PLUS 700 TRUECOLOR™
Nominal Weight	7.4 osy (237 gsm)	7.4 osy (237 gsm)
Construction	Woven	Woven
Color	Hi-Vis Yellow, Yellow, Orange, Red, Light Blue, Royal Blue, Gray, Khaki	Navy, Spruce, Black
Fiber Content	Modacrylic, Lyocell, Aramid	Modacrylic, Lyocell, Aramid
Certification(s)	NFPA 2112, NFPA 1977, NFPA 1975, ASTM 1506	NFPA 2112, NFPA 1975, NFPA 1977, ASTM 1506

Thermal Testing (Flame Resistance)			
Arc Thermal Performance Value NFPA 70E, ASTM 1959	ATPV Rating	9.0 cal/cm ²	11 cal/cm ²
	PPE Category	Category 2	Category 2
Vertical Flame ASTM 6413, NFPA 2112	Initial and 100x after wash	After flame	< 2.0 sec
		Char length	< 4.0 in (100 mm)
Thermal Shrinkage NFPA 2112	Initial and 3x after wash	< 10 %	< 10 %

Physical Testing		
Tensile Strength ASTM D5034, warp x fill	160 x 105 lbf (710 x 465 N)	140 x 85 lbf (623 x 378 N)
Elmendorf Tear ASTM D1424, warp x fill	13 x 10 lbf (58 x 45 N)	10 x 8 lbf (44 x 36 N)
Dimensional Stability AATCC 135	< 3.0 %	< 4.0 %

Comfort		
Air Permeability ASTM D737	53 ft ² /min/ft ³	53 ft ² /min/ft ³

Appearance *Score 5 (best) to 1 (Worst)				
Color Fastness	Laundering AATCC 61 2A	Shade Change	Up to 5 *	Up to 3-4 *
	Pilling Resistance ASTM D3512	Initial: 60 min	Up to 5 *	Up to 4 *

* All values subject to final certification and specification. Tested on specific colors. Appearance is dependent on shade of fabric.

AVAILABLE COLORS	OPTIONAL COLORS
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: #ffff00; padding: 5px; margin: 2px;">Hi-Vis Yellow</div> <div style="background-color: #ffcc00; padding: 5px; margin: 2px;">Yellow</div> <div style="background-color: #ff6600; padding: 5px; margin: 2px;">Orange</div> <div style="background-color: #cc0000; padding: 5px; margin: 2px;">Red</div> <div style="background-color: #66b3ff; padding: 5px; margin: 2px;">Light Blue</div> <div style="background-color: #003366; padding: 5px; margin: 2px;">Royal</div> </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>
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: #666666; padding: 5px; margin: 2px;">Gray</div> <div style="background-color: #996633; padding: 5px; margin: 2px;">Khaki</div> <div style="background-color: #003366; padding: 5px; margin: 2px;">Navy</div> <div style="background-color: #336633; padding: 5px; margin: 2px;">Spruce</div> <div style="background-color: #000000; padding: 5px; margin: 2px;">Black</div> </div>	



TenCate Protective Fabrics is certified according:



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.