

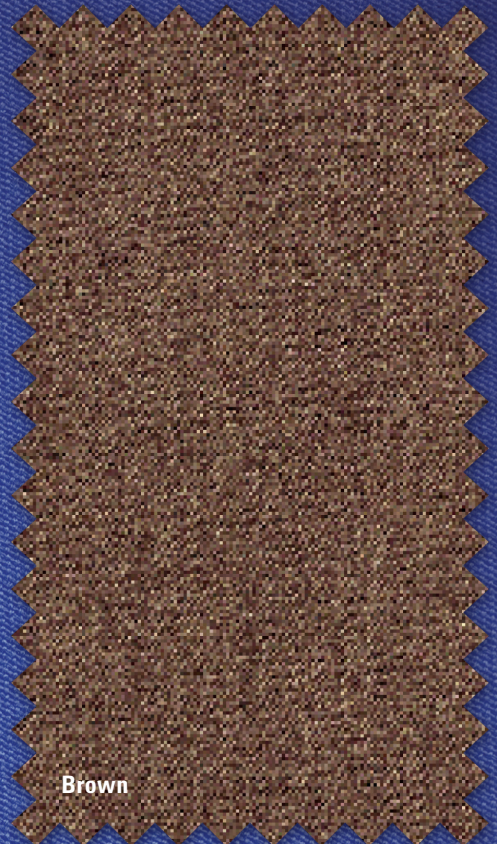


WELDING PROTECTION at the **LOWEST** COST PER WEEK

TenCate Tuffweld® provides rugged, inherently flame-resistant protection at the lowest cost per wear of competitive welding garment fabrics. It surpasses FR treated cotton in tensile strength, tear strength, abrasion resistance and moisture wicking. It also has a higher resistance to pin holes and never needs ironing.

TenCate high performance fabrics provide protection, comfort, durability and excellent value.

- **Inherently flame resistant** – FR protection never wears or washes out.
- **Superior strength and protection** – Engineered to provide outstanding strength and protection from heat and flame, arc radiation, and burns caused by sparks and weld spatter.
- **Exceptional softness and comfort** – FR rayon provides excellent wicking and breathability, keeping you cooler and drier.
- **Excellent value** – Long lasting, durable protection. Outlasts welding garments made of FR treated cotton.



Brown



www.tencateprotectivefabrics.com



PHYSICAL PROPERTIES		Tuffweld® 850	Tuffweld® 1000
FABRIC WEIGHT (+ or - 5%) / WEAVE	oz / yd ² g / m ²	8.5 289 Twill	10.3 350 Twill
COLOR AVAILABILITY (other colors available upon request)		Brown, Natural	Brown, Natural
CONSTRUCTION (warm x fill)		76 x 47	76 x 43
FLAME RESISTANCE	ASTM 6413-99 Char Length (inches [warp x fill]) After Flame (seconds [warp x fill])	<4.0 <2.0	<4.0 <2.0
ARC THERMAL PERFORMANCE	ASTM 1959 ATPV(cal/cm ²)	6.3–6.7	6.6–7.0
TENSILE STRENGTH (lbs [warp x fill])	ASTM 1682	210 x 130	250 x 210
ELMENDORF TEAR STRENGTH (lbs [warp x fill])	ASTM 1424	15 x 15	16 x 20
DIMENSIONAL STABILITY 140°F Industrial Wash, 160°F Max Stack Dry [5x]		<5.0	<5.0
WASHING COLORFASTNESS	AATC 61(2A)	*5	*5
WICKING (Distance in seconds) (1" strip, tap water)	0.5 inches 1.0 inches 1.5 inches 2.0 inches	<10 <30 <60 <200	<10 <30 <60 <200
THEORETICAL MOISTURE REGAIN (%)		8.4	8.4
PILLING RESISTANCE (W/m ²)	ASTM 3512 30 minutes 60 minutes 90 minutes 120 minutes	2 3 4 5	5 4 3 4

*Ratings: 5 - Best, 3 - Acceptable, 1 - Poor

CONTACT US AT:

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Finishing and Non-woven are
ISO-9001 Certified Facilities.

All listed test data and ranges represent typical values. All test data and ranges are the result of multiple tests unless otherwise stated. To the best of our knowledge, the information contained herein is accurate. However, TenCate Protective Fabrics assumes no liability whatsoever for the accuracy or completeness of the information contained herein. Users of any substance must satisfy themselves by independent investigation that the material can be used safely. We have described certain hazards, but we cannot guarantee that these are the only hazards.

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3/2012 Tuffweld 940.1245 with sample