



PBI TurtleSkin combines Warwick's patented TurtleSkin puncture technology with the ultimate flash protection and flexibility of PBI fibers to provide the lightest, most comfortable garments for NFPA 1951 USAR Operations.

In addition, PBI TurtleSkin provides a new level of puncture resistance to better protect USAR personnel from injuries caused by glass, metal, or other sharp objects, thereby preserving the integrity of the barrier membrane without compromising comfort.

<u>NFPA TEST</u>	<u>REQUIREMENT</u>	<u>PBI TURTLESKIN</u>
Breaking Strength	> = 70 lbs	120 x 124 lbs
Abrasion Resistance	> = 50 lbs	76 x 150 lbs
Tear Resistance	> = 5 lbs	15 x 15 lbs
Cleaning Shrinkage	< = 5%	5 x 0 %
Flame Resistance	< = 4" char	1.7" x 1.4"
Heat Resistance	> 500F	Pass
Thermal Shrinkage	< 10%	Pass
Spray Resistance	> = 80	90

Warwick Mills

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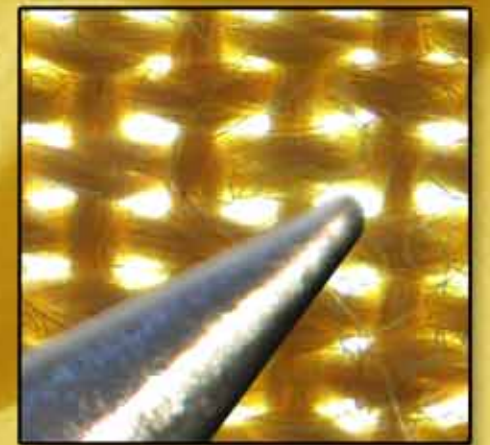
PBI TurtleSkin

Durable USAR Fabric with Greater Puncture Protection

See for Yourself
 Why PBI TurtleSkin
 Offers the Best
 Puncture Protection



Ours

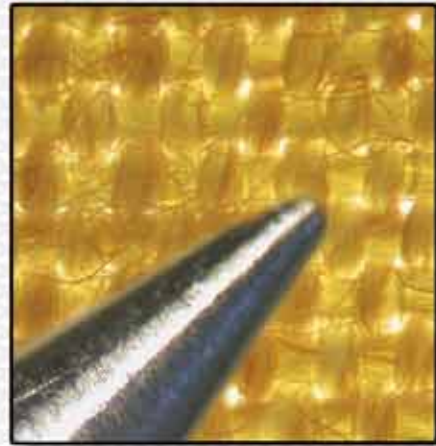


Theirs

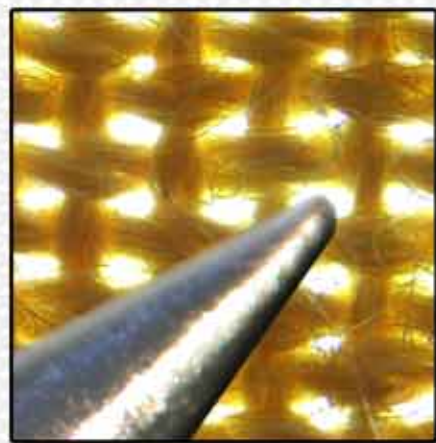


PBI TurtleSkin Offers the Best Puncture Protection in USAR Fabric

USAR garments protect against both fire and chemicals, but the barrier membranes used are fragile and need to be protected. That's where PBI TurtleSkin superior puncture resistance comes in, giving these garments far greater durability. It is also the lightest and smoothest USAR fabric, making it more comfortable. Unlike low-tech fabrics, PBI TurtleSkin's patented technology produces an extremely tight weave using PBI fiber. The result is a more durable lightweight shell fabric with PBI's ultimate flash and electric arc protection that sets a new standard for USAR outer shell puncture resistance and comfort.



Size Comparison:
.08" ASTM Probe
& Ordinary Pencil
with magnified view
of probe on right



PBI TurtleSkin

- Highest Puncture: 9.6 lbs force
- Lightest Weight: 5.0 oz/yd²
- Premier Flash Resistance
- Smooth, Soft Feel
- Patented Tight Weave Provides Better Durability

Ordinary USAR Fabric

- Low Puncture: 3.8 lbs force
- Higher Weight: 6.0 oz/yd²
- Lower Flash Resistance
- Coarse Feel
- Loose Weave Leaves Holes To Snag and Tear



Softest, Lightest, Most Flexible Fabric to Pass NFPA 1951 USAR Standard

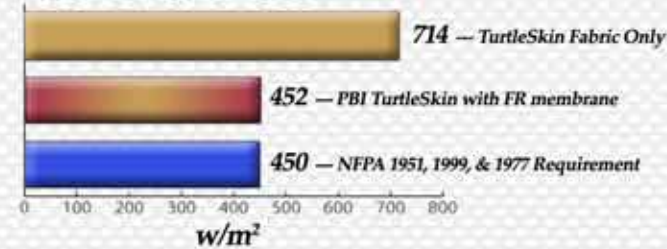
At only 5 oz/yd², PBI TurtleSkin is the lightest outer shell system certified for USAR operations. Not only is it by far the most comfortable fabric for USAR operations, it has PBI's ultimate flash protection, plus TurtleSkin's rugged durability and puncture resistance.

The PBI TurtleSkin Advantage

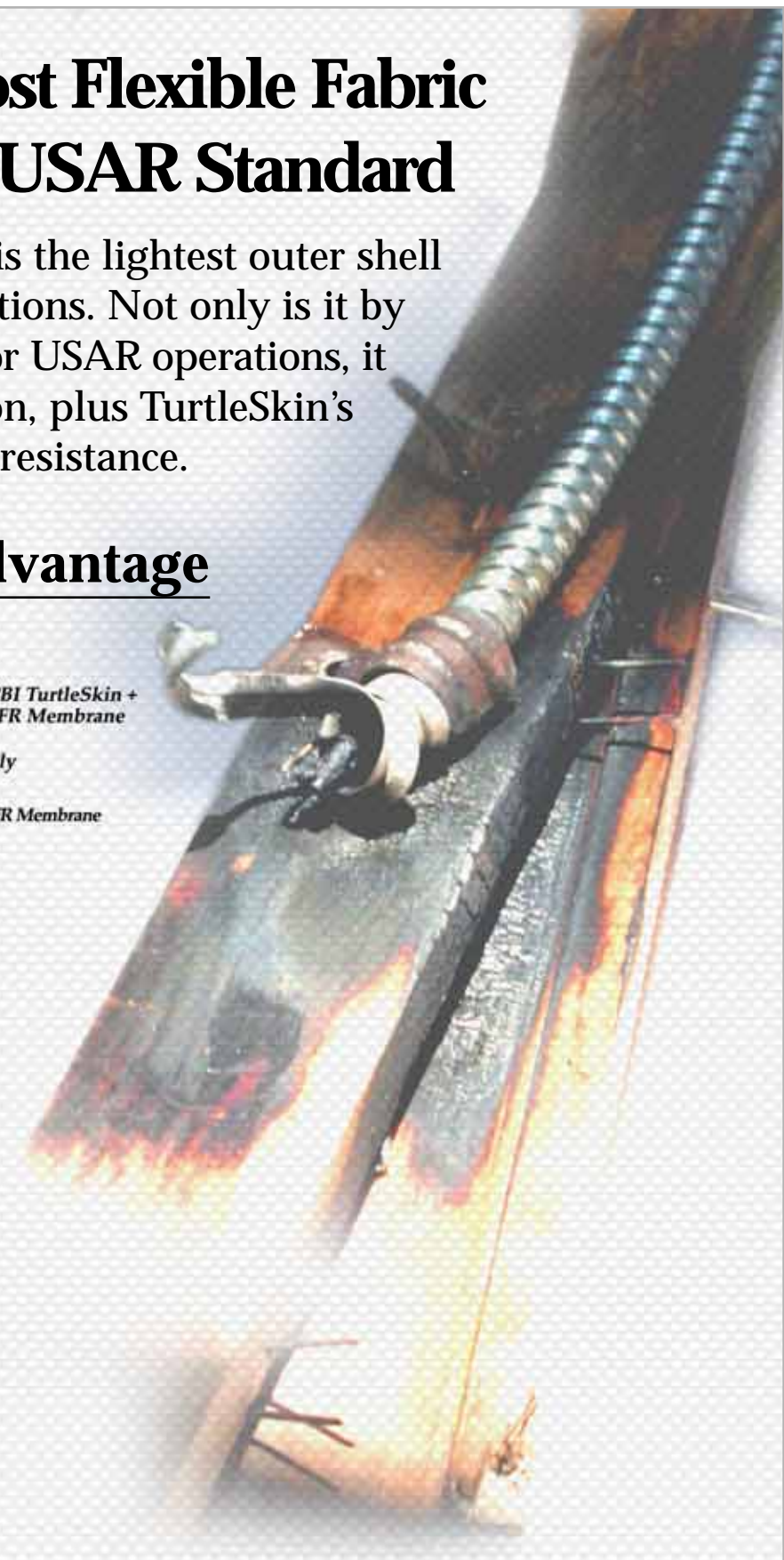
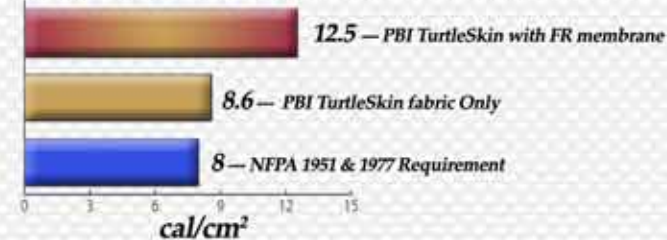
Puncture Resistance



Total Heat Loss



Radiant Protective Performance



PBI TurtleSkin Now Certified to NFPA 1951, 1977, 1999- Standard