

TurtleSkin Safety Gloves Stop Punctures

28-gauge Hypodermic Needle
1.27 mm Solid Steel Needle (Test Probe)
2.07 mm ASTM Test Probe
4.5 mm EN 388 Test Probe
Ordinary Pencil (for size reference)

Patented Protection

TurtleSkin gloves are made with patented, high-strength materials that were engineered to offer protection from both punctures and cuts.

Our patented technology offers the tightest weave ever achieved with aramid fibers, effectively preventing fine penetrators from passing through the fabric.

28-gauge Hypodermic Needle on Patented TurtleSkin Fabric

Certified Puncture Tests

CE Certification (European Mechanical Test EN388) provides puncture-resistant performance levels based on tests with a probe that simulates larger threats—such as nails or barbed wire—but is not effective at determining puncture resistance for high-risk applications like glass slivers, metal shards, or needles. Hypodermic needles are difficult to test because they bend easily. In fact, no standardized needle test exists in the US market. To demonstrate TurtleSkin's advanced puncture protection, we modified a US ASTM puncture test in our ISO-9001:2000 lab by using a 0.05 inch (1.27 mm) hardened steel probe that simulates the fine tip found on many sharp objects.



TurtleSkin Puncture Protection Levels

Puncture 1—10-35 ounce force	Puncture 3—70-100 ounce force
Puncture 2—35-70 ounce force	Puncture 4—100+ ounce force

TurtleSkin Protective Materials: No Second Chances on Mars

Warwick helped to develop the mission-critical airbag fabric used in three successful rover landings on Mars. NASA required an extremely lightweight but rugged fabric to protect its vehicles from the planet's jagged surface. Warwick uses this technology to provide an exceptional level of protection and performance in a wide range of specialty engineered fabrics and materials.



Warwick insists on quality and a commitment to life-safety products. Our material scientists specialize in the research and development of flexible composites for advanced solutions to the most challenging safety applications.

turtleskin.com

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Engineered, designed and tested in the USA by Warwick Mills, Inc.



TurtleSkin Safety Gloves

Puncture



Dexterity



Protection

Safety



TurtleSkin Utility

Advanced puncture protection in a washable, full-leather shell.

Rugged work glove with excellent needle protection in palm, fingers and side of index finger. Softens with use.

Style #UPW-4D1 Puncture 3 / Cut = Excellent



Areas of Protection
■ Puncture and Cut
■ Cut Only

Popular Uses: sharps disposal, wire and cable handling, utility work, janitorial, custodial



TurtleSkin MultiGuard

Highest level of needle and cut protection. Replaceable outer shell.

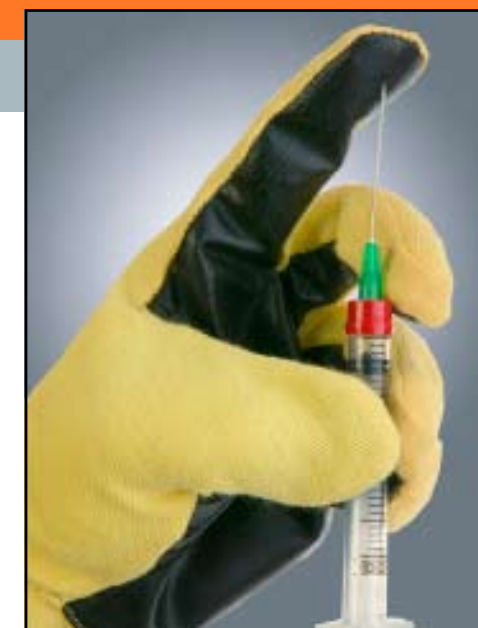
Multilayer TurtleSkin aramid base with additional layers of patented TurtleSkin PalmMaster 2™ increases protection in high risk areas of palm and fingertips, as well as side and back of hand. Coated outer shell protects from abrasion and extends glove life. Water resistant.

Style # FCW-400 Puncture 4 / Cut = Excellent



Back Palm
Areas of Protection
■ Puncture and Cut
■ Cut Only

Popular Uses: waste handling, sharps disposal, wastewater cleanup



TurtleSkin SevereGear

Lightweight and flexible with advanced puncture protection in the palm.

Bonded ceramic material throughout the palm for greater puncture and cut protection. All other areas feature an aramid knit for complete cut protection.

Popular Uses: waste handling, recycling

Style #TSP-300 Puncture 3 / Cut = Excellent



Back Palm
Areas of Protection
■ Puncture and Cut
■ Cut Only

Popular Uses: waste handling, recycling

TurtleSkin WorkWear

Soft, supple leather palm with knit back for comfort.

Puncture and cut protection designed for great grip, dexterity and tactile sensitivity. Form-fitting leather glove with stretch-knit back and Velcro® closure at wrist.

Style #WWP-1A1 Puncture 3 / Cut = Good



Areas of Protection
■ Puncture and Cut
■ Cut Only

WorkWear Plus
100% aramid liner in palm and over fingertips for increased puncture and cut protection.
Style #WWF-2D1 Puncture 3 / Cut = Excellent

Popular Uses: glass or metal handling, mechanics, custodial, janitorial



TurtleSkin FullCoverage

Full hand protection from fingertip to forearm.

Two levels of protection and comfort. Choose the right amount of protection you need with the greatest amount of comfort.

FullCoverage Natural Plus
Good dexterity. Coated aramid blend for better wear.
Style #FCN-2AC Puncture 1 / Cut = Good

FullCoverage Aramid Plus
Superior durability. Coated aramid for better wear and grip.
Style #FCA-4AC Puncture 2 / Cut = Excellent



Areas of Protection
■ Puncture and Cut

Popular Uses: veterinarian/animal handling, sharps disposal, lab research, lumber manufacturing



TurtleSkin Sleeve

Excellent puncture and cut protection for the wrist and forearm.

Flexible and comfortable, this rugged sleeve extends from wrist to just below the elbow. Popular Uses: lumber handling, sheet metal cutting, food processing, butchering, animal handling

Style #SFX-DG2
Puncture 4 / Cut = Excellent

Sleeve Plus
Puncture and cut protection extends over back of hand.
Style #SBL-DG2
Puncture 4 / Cut = Excellent

TurtleSkin String Knits

Versatile puncture and cut protection in the palm or back of your hand.

Our aramid and cotton string-knit gloves come in two levels of puncture resistance with cut protection throughout. TurtleSkin liner on the palm of the hand and fingers for puncture protection. Ambidextrous design allows for back-of-hand puncture protection with a flip of the glove.

Popular Uses: light industrial, general cut protection



Areas of Protection
■ Puncture and Cut
■ Cut Only



TurtleSkin SafeHandler

Excellent grip and dexterity with reversible puncture and cut protection.

Aramid-blend liner for puncture protection in the palm and fingers and cut protection throughout. Ambidextrous design allows for back-of-hand puncture protection with a quick flip of the glove.

Style #APD-1A1 Puncture 3 / Cut = Excellent

SafeHandler Plus
100% aramid liner for higher level of puncture and cut protection.
Style #APD-2D1 Puncture 4 / Cut = Excellent

Popular Uses: glass and sheet metal handling, light industrial, warehousing



Areas of Protection
■ Puncture and Cut
■ Cut Only



TurtleSkin Insider

Puncture protection in any environment—wet or dry.

Works well on own or inside existing gloves for added protection or warmth. Aramid-blend liner for puncture and cut protection.

Style #WPW-1A1 Puncture 1 / Cut = Good

Insider Plus
100% aramid liner in palm for increased puncture and cut protection.
Style #WPW-2D1 Puncture 2 / Cut = Good

Popular Uses: electronics assembly, light industrial, light waste handling



Areas of Protection
■ Puncture and Cut
■ Cut Only



Cotton Knit

Soft cotton glove with cut and puncture protection in the palm

Style # CPW-1A1
Puncture 1 / Cut = Good

Aramid Knit
100% aramid throughout with extra cut protection in the palm.

Style #APW-1A1
Puncture 1 / Cut = Excellent

Cotton Plus Knit

Soft cotton glove with increased cut and puncture protection in the palm

Style #CPW-2D1
Puncture 2 / Cut = Excellent

Aramid Plus Knit
100% aramid with excellent cut and puncture protection in the palm

Style #APW-2D1
Puncture 2 / Cut = Excellent