

TurtleSkin WaterArmor Protection

Modular Design Adds Flexibility and Comfort

TurtleSkin WaterArmor components are sold separately. Build your own PPE system, buy only what you need.

Rugged, patented TurtleSkin WaterArmor is chemical resistant, easy to maintain and, thanks to our unique modular replacement panels, simple to repair.

Vest / Torso Panel
Gauntlet
Chaps
Gaiters

One Size Fits All

TurtleSkin WaterArmor is available directly from your pump manufacturer or distributors. Contact us for a distributor near you.



**TurtleSkin
WaterArmor**



**Full Suit
Protection for
UHP Waterjet
Up to 40,000 psi
2800 bar**



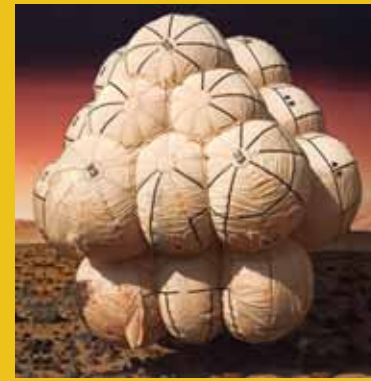
Warwick Mills / PO Box 409 / 301 Turnpike Rd. / New Ipswich, NH 03071 / (603) 878 - 1565

This PPE product has been CE type approved by Centexbel, Montoyerstraat 24, B-1000 Brussels, Belgium (notified body 0493) according to the directive 89/686/EEC. Certificate number: 00101317. We confirm that this PPE product is identical to the one which has been subject to the type approval.



The TurtleSkin Advantage

TurtleSkin WaterArmor Provides High Pressure Water Jet Protection up to 40,000 psi / 2800 bar



TurtleSkin Lands On Mars

Space Age Protection

You don't get second chances on missions to Mars. That's why NASA chose TurtleSkin materials for the critical crash bags ensuring the successful landings of *Pathfinder*, *Spirit*, and *Opportunity* on Mars. This space age technology now provides an exceptional level of performance for a wide range of TurtleSkin safety products.



Swiped at 36,000 psi TurtleSkin Gaiter saved the operator from injury.

- Tough Material to Match the Power of Water**

TurtleSkin WaterArmor materials were designed specifically to prevent injuries caused by accidental swipes from the extreme cutting power of Ultra High Water Pressure. A rugged outer layer also provides improved chemical resistance and is easy to clean for low maintenance.

- Hinged Panel Design For Greater Flexibility and Range of Motion**

Patented fabric system flexes with the body. Independent panels allow for greater flexibility and ease of use.

- Built-in Knee Pad for Maximum Protection and Comfort**

Cushioned knee pads protect knees from UHP water jet streams and reduce the discomfort from kneeling on hard surfaces.

- Open Back Keeps You Cooler Longer**

Unique design provides extensive protection to the front of the operator while the open back allows for increased circulation to keep the operator cool.

- One Size Fits All Operators**

Adjustable straps, and panels can be lengthened or shortened to fit any operator.

- Modular Design with Replaceable Parts - Buy Only the Pieces that You Need**

Component panels can be replaced individually. Chaps, gaiters, upper torso, and arm protection panels are all sold separately for easy repair and maintenance.

- Lightweight Suit Protects Without Tiring - Helps Boost Operator Productivity**

Lightweight of TurtleSkin system reduces fatigue without sacrificing protection.



Preventing Injuries - Saving Lives

Waterjetting contractors rely on TurtleSkin to protect operators from accidental swipes at extreme high pressure, ensuring a safe work environment and low insurance premiums. We have documented over 75 saves, preventing potentially fatal injuries to the chest, and debilitating trauma to the legs. Damaged TurtleSkin panels can be quickly replaced, saving cost and downtime.



Performance Levels

The protective performance of TurtleSkin WaterArmor depends on multiple factors such as water pressure, water flow, nozzle diameter and construction, distance between jet and protective equipment and contact time (swipe speed of the jet). Under extreme circumstances (high pressure, high flow, close distance and low speed) TurtleSkin suits may not provide full protection. This TurtleSkin product was tested to meet rigorous European CE certification as shown in table.

WARNING				
TEST RESULTS: NO penetration occurred beyond protective system with waterjet traveling at 8 feet/second (2.4 meters/second), no closer than 3 inches (7.62cm) at these conditions:				
Pressure PSI (bar)	Flow Rate GPM (lpm)	Orifice ID Inches (mm)	° Nozzle, Single Orifice: Material	Efficiency Factor (GPM/ # of orifices) (Orifice ID inches ²) √Pressure PSI
40,000 (2,800)	5.5 (21)	0.035 (0.889)	Sapphire	22.4
36,000 (2,500)	5 (19)	0.035 (0.889)	Sapphire	21.5
20,000 (1,400)	11 (42)	0.051 (1.295)	Tungston Carbide	29.9
10,000 (700)	16 (61)	0.073 (1.854)	Tungston Carbide	30

For other condition recommendations, call 1.603.878.1565