

TurtleSkin WaterArmor Protection



Modular Design Adds Flexibility and Comfort

The component system of TurtleSkin WaterArmor allows custom configuration of your waterjet PPE system because the components are sold separately. Build your own PPE system, buy only what you need. Patented TurtleSkin WaterArmor is chemical resistant and easy to maintain. Modular replacement panels are simple to repair.

Vest / Torso Panel • Gauntlet • Chaps • Gaiters



One Size Fits All

CE Water Armor

NEW MFA WaterArmor CE

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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. We confirm that this PPE product is identical to the one which has been subject to the type approval.



TurtleSkin WaterArmor



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

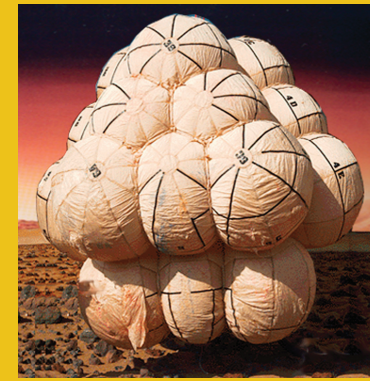


www.waterarmor.com



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.

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.

- **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. Independant 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 fit any operator.

- **Modular Design with Replaceable Parts**

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

- **New MFA WaterArmor Offers Higher Protection Levels**

MFA sustains higher protection from slow swipe speeds (see chart).



#00101317

Performance Levels

Test Results:

No penetration occurred beyond protective systems under these conditions.
Distance: no closer than 3 inches (7.62 cm)

Waterjet Swipe Speed:

MFA WaterArmor: 1.6 feet/second (.46 meters/second)
Original WaterArmor: 8 feet/second (2.4 meters/second)

Pressure PSI (bar)	Flow Rate GPM (lpm)	Orifice ID Inches (mm)	0° Nozzle Single Orifice: Material	Efficiency Factor:
40,000 (2,800)	5.5 (21)	0.035 (0.889)	Sapphire	22.4
20,000 (1,400)	11 (42)	0.051 (1.295)	Tungston Carbide	29.9

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.