

NEW

What's the difference?

New Technology. Increased Protection. TurtleSkin MFA WaterArmor is engineered from a new lightweight composite material that has a higher level of resistance from exposure to UHP water jet swipes.

The Next Generation in Water Jet Protection TurtleSkin MFA WaterArmor



TurtleSkin MFA WaterArmor is UHP safe up to 40,000 psi / 2800 bar



Waterjetting contractors rely on TurtleSkin to ensure a safe work environment, protect operators from accidental swipes at extreme high pressure, and reduce insurance rates. With more than 75 documented saves, TurtleSkin WaterArmor is proven safe for the prevention of injury.

Visit turtleskin.com or call **888-477-4675** for a TurtleSkin MFA WaterArmor Distributor near you.



TurtleSkin MFA WaterArmor

FEATURES

- TurtleSkin MFA WaterArmor is designed to protect UHP water jet operators from injuries caused by accidental swipes.
 - Flexible for greater range of movement. The patented hinged panel system flexes with the body allowing for comfort and ease of use.
 - Cushioned knee pads protect knees from UHP water jet streams and reduce the discomfort from kneeling on hard surfaces.
 - Open back allows for increased air circulation to keep the operator cool.
 - Lightweight suit and custom fit reduces fatigue and increases operator mobility and productivity.
 - Modular design with replaceable parts. Damaged panels can be easily replaced as needed. Chaps, gaiters, upper torso, and arm protection.
- One size fits all operators. Adjustable straps, and panels can be lengthened or shortened to fit any operator.

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.

Test Results: No penetration occurred beyond protective systems with a nozzle swipe speed of 1.6 feet/second (.46 meters/second), no closer than 3 inches (7.62 cm) at these conditions:

Pressure PSI (bar)	Flow Rate GPM (lpm)	Orifice ID Inches (mm)	0° Nozzle Single Orifice: Material	Efficiency Factor: $\frac{\text{GPM} / \# \text{ of orifices}}{\text{orifice ID inches}^2}$ $\sqrt{\text{Pressure PSI}}$
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