



ORVIS[®] PRO

MENS WADERS








Tech Bulletin

Three years in development, these waders kept Alaskan bush guides dry in over 9,000 hours of crashing through brush, sliding down banks, and climbing in and out of boats and float planes. We've never spent as much time and effort in designing and field-testing a pair of waders, and they are unquestionably the most durable waders we have ever made. Now, with the addition of the TIZIP[®] MasterSeal water-proof zipper, they will prove to be the most durable and comfortable in the industry.

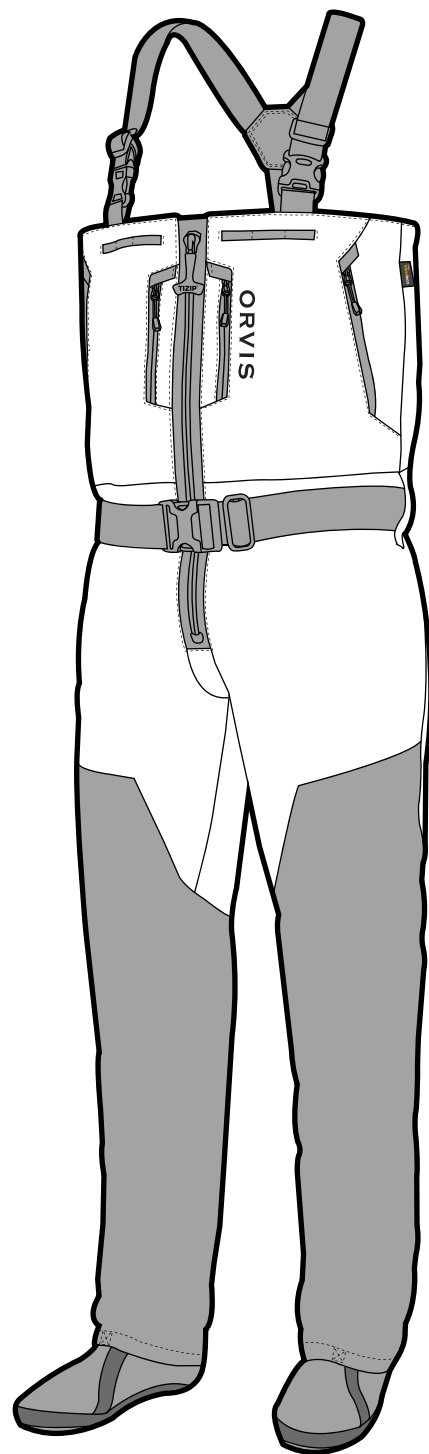
ORVIS[®]

T H E G R E A T A W A I T S

The 30-second tour

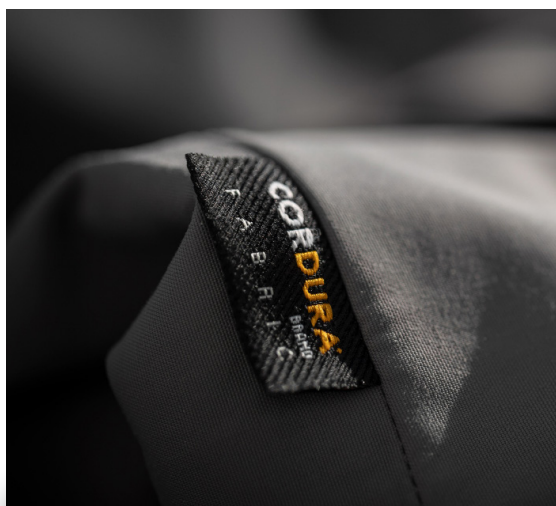
-  - **TIZIP®** MasterSeal Waterproof Zipper for easy on-and-off
-  - **Split** handwarmer pockets and Hypalon daisy chain
-  - **Four layer** on top for comfort, **five layer** on the bottom for durability
-  - **Two external storage pockets** with YKK AquaGuard® zippers and Two additional interior pockets
-  - **Lots of bells and whistles** including quick-draining PU-reinforced mesh gravel guards, anatomically correct neoprene booties, fleece-lined handwarmer pockets, and removable OrthoLite® X25 foam knee pads.
-  - **Adjustable elastic suspenders** with opposing buckles for waist-high conversion
-  - **Body-mapped, Athletic Fit** for range of motion and comfort

For convenience, comfort, and quick on-and-off, nothing compares to a zippered wader. The convenience issues are obvious, but the wader must be of the highest quality construction to provide confidence in performance. The PRO Wader is the most durable, abrasion resistant, and feature-rich wader Orvis has ever built. Built with exclusive 100% CORDURA® fabric with four layers in the upper and five layers in the lower, the addition of a TIZIP® MasterSeal waterproof zipper, tested for more than 200 days, provides a remarkable level of combined convenience and performance. In the upper are split fleece-lined handwarmer pockets, two external storage pockets with YKK AquaGuard® coated zippers, and split Hypalon® daisy chain for tool docking. Inside are two internal storage pockets for fly boxes and accessories. Adjustable elastic suspenders with opposing buckles for waist-high conversion. The five-layer lower incorporates removable OrthoLite® X25 knee pads, PU cage mesh gravel guards to eliminates drag and water collection, and anatomically correct neoprene booties. Body-mapped, Athletic Fit for range of mobility and comfort.



Technology Inside

CORDURA® / TIZIP® MasterSeal / OrthoLite® / AquaGuard



IT STARTED WITH THE FABRIC.

After testing multiple samples of the best wader fabrics available, we weren't satisfied with their performance, or with any of the fabrics used by competitors. So, we partnered with CORDURA® to develop an entirely new wader fabric designed specifically for the rigors of the toughest fishing conditions in the world. This is our exclusive CORDURA fabric—in fact there are no other fishing waders made with any kind of CORDURA fabric. You might recall older CORDURAs as being extremely tough and puncture resistant (think ballistic luggage), but heavy. However, recent developments have produced a CORDURA that is thinner, lighter, and more flexible, while retaining the toughness synonymous with the CORDURA name.

CORDURA®
Fabric



Built with proprietary 100% **CORDURA®** fabric shell, body mapped with four layers in the upper and five layers in the lower.

TIZIP®



TIZIP® MasterSeal waterproof zipper, tested for more than 200 days, provides a remarkable level of combined convenience and performance.

OrthoLite®



The five-layer lower incorporates removable **OrthoLite®** X25 knee pads for protection when kneeling.

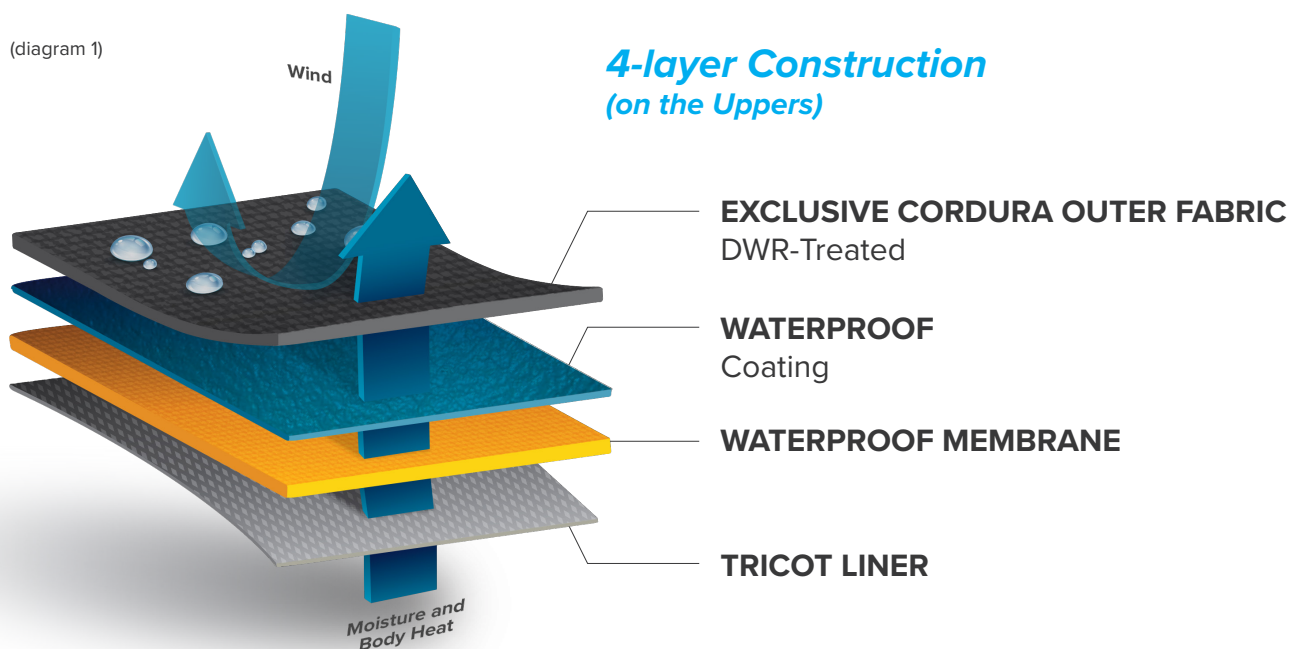
YKK®



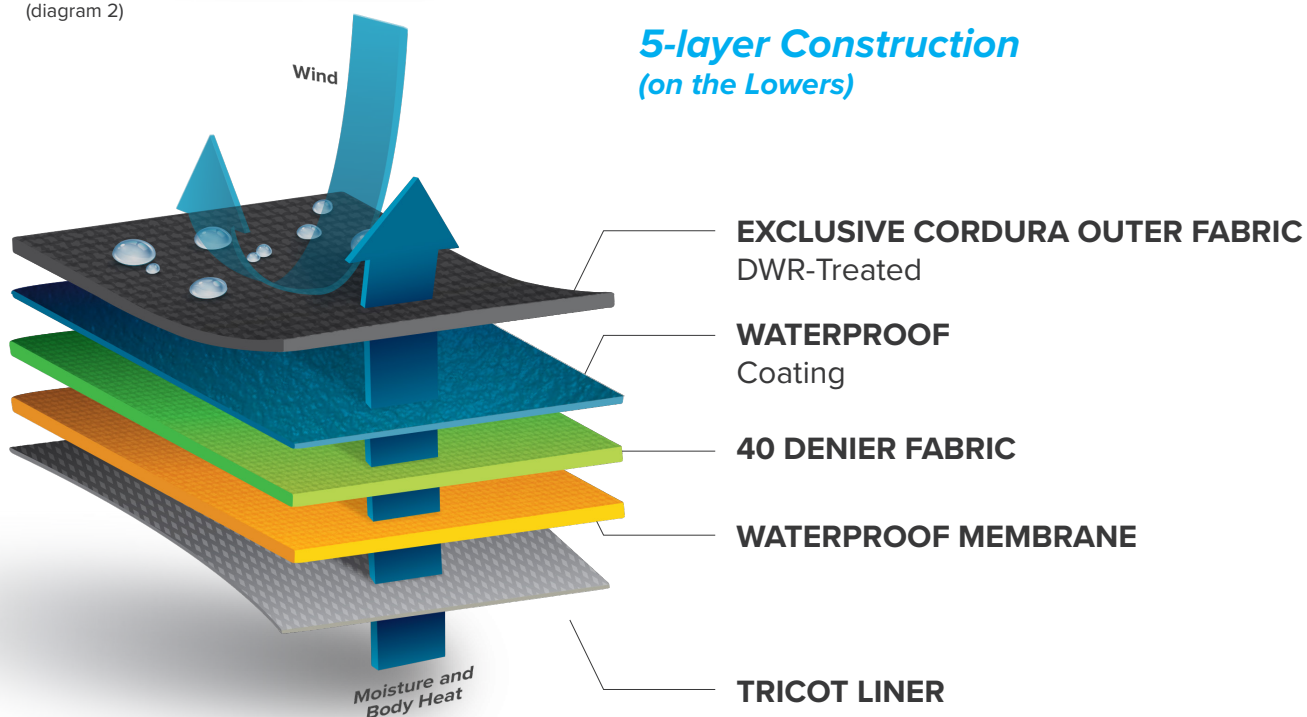
YKK AquaGuard® coated zippers on two external storage pockets keep gear dry.

WE BODY-MAPPED THE WADERS, Using a 4-layer construction (see diagram 1) on the uppers for freedom of movement, and 5-layer construction (see diagram 2) in the legs for puncture and abrasion resistance. You can crash through nearly anything man or mother nature throws in front of you without worrying about leaks. Our lab tests have shown that Orvis PRO Waders are more puncture- and abrasion-resistant than any other wader on the market (see table, next page), and, in fact, they are as puncture-resistant as our Upland Briar Chaps.

(diagram 1)



(diagram 2)



**ONE ASPECT OF
SUPERIOR DURABILITY
IS THE FABRIC USED;**

the other is seam strength and placement. Orvis PRO Waders have only one seam in the legs (on the back where wear and abrasion are lower) and the crotch area has been fully redesigned to reduce seams and engineer their placement by adding a gusset to remove them from stress areas. All seams are sewn using a durable but low-profile lock-stitch construction. But sewn seams must be waterproofed—the most critical step. While the industry standard is to use extruded tape to seal seams, the new PRO Waders utilize a new Vetex tape that is created in sheet form. This gives our seams a more consistent gluing process and waterproof barrier, plus far better peel and tear strength.

WADER	Orvis PRO Wader	Orvis Ultralight Wader	Patagonia Rio Gallegos Wader	Simms G3 Guide Wader	Simms Headwaters PRO Wader	Simms G4 PRO Wader
SHELL FABRIC	4-Layer 7.6oz 100% CORDURA Nylon mini oxford body 5-Layer 11.3oz 100% CORDURA Nylon mini oxford legs	4-Layer 5.8oz 100% Nylon stretch twill body 4-Layer 6.8oz 100% Nylon taffeta legs	4-Layer 5.8-oz 100% polyester microfiber high-density taffeta upper 4-Layer 9.1-oz 100% polyester microfiber high-density double-weave taffeta lower	3-layer GORE-TEX® Pro Shell in upper 4-layer GORE-TEX® Pro Shell in seat & legs	3-layer GORE-TEX® Pro Shell in upper 3-layer GORE-TEX® legs with reinforcement	3-layer GORE-TEX® Pro Shell in upper 5-layer GORE-TEX® PRO legs and seat
PUNCTURE ASTM	11.48	8.61	10.50	6.68	7.63	9.49
WEIGHT	1360g (48oz)	995g (35oz)	1219g (43oz)	1276g (45oz)	1200g (43oz)	1389g (49oz)

2X MORE
ABRASION
RESISTANCE

2X FABRIC
TEAR
STRENGTH

SUPERIOR
PUNCTURE
RESISTANCE

**THIRD-PARTY
TESTING
RESULTS**

**ORVIS PRO WADER
VS THE LEADING
COMPETITOR***

