

Orca Openwater

EN

Vitalis Hi-Vis



Whitepaper

orca

Orca Openwater

Vitalis Hi-Vis

The Openwater Vitalis Hi-Vis is specifically designed for swimming and training in open water safely and with maximum visibility, thanks to its orange panels which stand out in contrast to the color of the sea. It also provides the thermal insulation needed to maintain an ideal body temperature without sacrificing movement.

Orca Openwater

Vitalis Hi-Vis

WOMEN ↓

NN67
XS, S, M, L, XL

● Black: 01



Thermal insulation



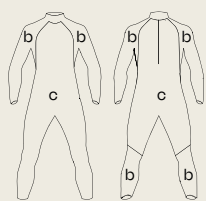
Flexibility



Buoyancy



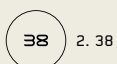
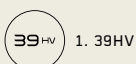
Panels



b. 2 mm

c. 2.5 mm

Inside



Orca Openwater

Vitalis Hi-Vis

MEN ↓

NN27

4, 5, 6, 6T, 7, 8, 9, 10, 11

● Black: 01



Thermal insulation



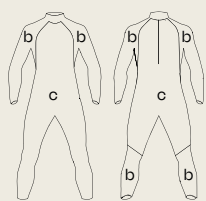
Flexibility



Buoyancy



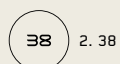
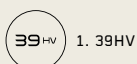
Panels



b. 2 mm

c. 2.5 mm

Inside



Highlights



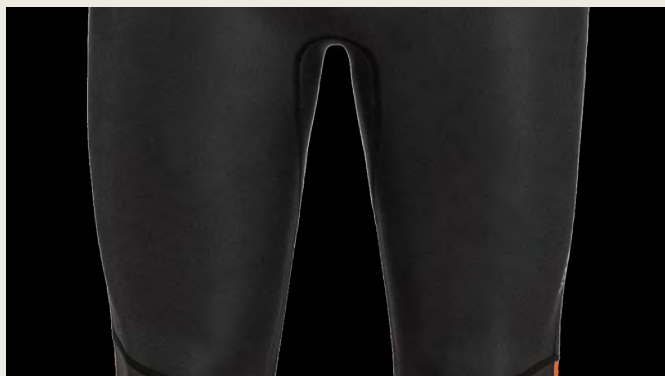
HIGH VISIBILITY

For the utmost safety in the water, the HI-VIS has been designed with a high-visibility orange color that makes it easy for boats, surfers and other swimmers to locate you while you swim in open water.



ELASTICITY

The highly elastic materials used in this wetsuit will provide you with more flexibility for your swim stroke and allow you to swim without restricting your movements.



NEUTRAL BUOYANCY

The 2.5 mm Yamamoto 38 material, incorporated in the torso and legs, will provide you with buoyancy in addition to good thermal insulation.

Recommended uses

Triathlon	Openwater	Freedive	Swimrun	Surf	Stand Up Paddle	Kayak	Snorkel
●●●●○	●●●●●	●●○○○	●○○○○	●○○○○	●●●●○	●○○○○	●●●●○

- Designed for it.
- Not designed for this purpose but can be used without problems.
- Not designed for it but with loss of performance.
- It is not advisable to use it, it may affect the durability of the neoprene, the use is not covered by the warranty and physical problems may occur.

Technology



Yamamoto

Orca wetsuits are made from 100% Japanese Yamamoto neoprene. The performance of this neoprene, which is produced from limestone, is unmatched. Its elastic properties are superior to that of any other type of neoprene, feeling it fluid and endlessly elastic while surfing. Its low weight and density improve thermal insulation, resulting in a light and comfortable suit.



39 HV

The Yamamoto 39 material, combined with high-visibility fabric and the Infinity Skin 2 inner lining, gives the wetsuit a high level of visibility, so that you can be locatable in any weather conditions. The lining also contains bamboo fibers which provide more flexibility and reduce odor, preventing the growth of bacteria.



38

Elasticity, high flexibility and total freedom of movement are brought together thanks to the combination of Yamamoto 38 neoprene, Infinity Skin 2 lining and Smoothskin surface finish. With this combination the open water swimmer will use 30% less force in fast movements and short strokes, while slower and wider movements will require 40% less force than with any other conventional neoprene.



Ultimate Seal Collar

Laser cutting in the neck area combined with the Hydrolite inner lining allows the wetsuit to seal to the body and prevents chafing. This combination and seal prevent water from flowing inside the suit, improving both thermal insulation and hydrodynamics for the swimmer.



YKK 10

YKK zippers are high-performance and durable features. The sturdiness of these zippers gives them a long service life and they are of such high quality that they prevent water from flowing through the wetsuit while swimming.



V Fit

Orca women's wetsuits are designed with patterns specific to the female body, which improves both their performance and comfort. A better fit allows the materials to function in their optimal elasticity ranges and as the wetsuit fits closer to the skin, water is prevented from entering, improving overall thermal insulation and hydrodynamics.



Made to last

This product's unique design is based on the best available materials in the market.

Orca works closely with Yamamoto Corporation to develop new materials for their wetsuits. Orca is also the only brand that is certified to make all our suits using exclusive Yamamoto material, ensuring the highest quality in all products.

Currently, the most sustainable raw material for obtaining neoprene is limestone, compared to other much more polluting processes in which lower quality neoprene is obtained from oil. The process of obtaining neoprene from limestone was developed in the 60s by the Yamamoto company and it has been perfected over time to arrive at the current process, where the best quality neoprene is obtained.

Not only do the characteristics of this neoprene contribute to its better performance, but they also ensure its maximum durability.

Other very important materials in our products that may go unnoticed are the materials used for packaging. To minimize the impact of these, our entire range of wetsuits and accessories uses recycled cardboard packaging instead of single-use plastic for some years now.



Care to last

Wetsuit Cleaning:

Neoprene can be damaged by excess salt or other disinfectants such as chlorine if used in swimming pools. It is important to wash the wetsuit with plenty of water. A small amount of neutral pH soap can be used and then rinsed out. Once clean, make sure it dries so that it doesn't retain moisture, outside or in a ventilated indoor space without direct exposure to sunlight as this can damage the materials.

Storage:

Storing the wetsuit properly keeps the materials and seams from being folded and stressed over long periods of time. It also prevents the appearance of wrinkles on the material which can affect both the wetsuit's durability and its aesthetics. The best way to store the neoprene is to hang it from its middle, so that the most sensitive areas such as the shoulders and arms do not have any kind of tension on them. For this model you can use a hanger if you can't hang it in half, as long as it is wide enough for the wetsuit not to be stretched in the shoulder and neck area.

To ensure the maximum durability of your wetsuit, it is recommended to pay special attention to three aspects of care; cleaning, storage and transport.

Travel:

Although traveling time takes up such a small amount of a wetsuit's useful life, it is important to keep in mind that each time it is worn, it has to be transported. Poor transportation, even if it is for short periods of time, can shorten the life of your wetsuit.

Compressing or wrinkling the wetsuit during transport is not recommended, especially in the seam areas. It is also advisable to rinse it off with fresh water before transporting it after it has been used. Be careful that the wetsuit is not stored in high temperatures (such as in a hot car), as this can speed up its degradation.

The elasticity of the top of this wetsuit allows the sizing in this area to adapt well to different bodies. However, the bottom sizing must be adjusted due to the thickness of the panels. So, if the size guide suggests going up a size, plan on weight affecting the sizing more over chest and height measurements.

orca

Orca Headquarters

Orbea S. Coop.
Pol. Ind. Goitondo
48269 Mallabia, Bizkaia
Spain

Orca USA

4820 63rd St
Suite 104
Boulder, CO 80301
United States of America

Orca France

Technopole Izarbel
416, allée Antoine d'Abbadie
64210 Bidart
France