

Orca Freedive

EN

Mantra Swimskin



Whitepaper

orca

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Mantra Swimskin

The Orca Mantra is a wetsuit developed with high-quality materials that provide more durability without sacrificing performance. The high-elasticity materials provide a perfect fit and allow the wearer to enjoy freediving sessions without any restrictions.

Orca Freedive

Mantra swimskn

WOMEN ↓

NN85
XS, S, M, L, XL

● Black: 01

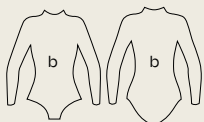


Hydrodynamics
●●●○○

Flexibility
●●●●○

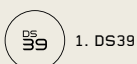
Thermal insulation
●●●●○

Panels



b. 2 mm

Inside

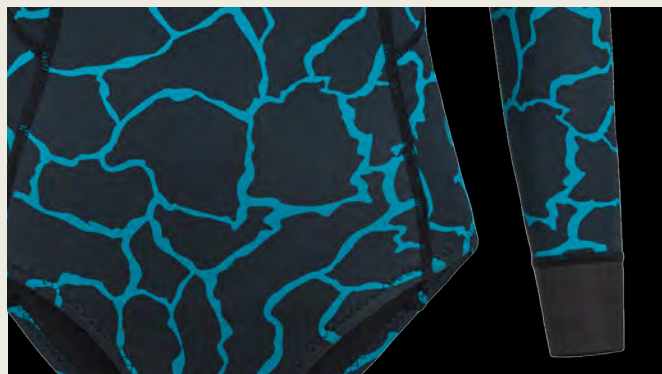


Highlights



FIT

The innovative materials and elastic properties of the Mantra wetsuit allow the suit to fit to your body comfortably. Its design minimizes water entry and the formation of water pockets, improving your freediving performance.



DURABILITY

The exterior fabric of the wetsuit's sleeves increases its durability and provides maximum protection from wear and tear. Because of the elastic properties of the combination of fabric and neoprene, the Mantra does not lose any flexibility, allowing you more freedom of movement during your descents and underwater adventures.



ELASTICITY

The highly elastic materials making up the Mantra increase its flexibility and range of motion, allowing you to move without restriction. For total freedom of movement in your hips and legs, an inverted zipper and optimized seams are incorporated into the lower back.

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.



DS 39

DuraSkin 39 + (DS 39+) technology combines high-stretch Yamamoto 39 neoprene, Duraskin outer fabric, and Infinity Skin 2 inner lining. The outer Duraskin fabric offers great insulation due to its fast-drying properties, and it is very resistant to abrasion from equipment, such as your surfboard. The Infinity Skin 2 inner lining contains bamboo fibers that provide added flexibility for surfing while reducing odors and resisting bacteria. This combination also results in maximum flexibility to the shoulders of Orca surf wetsuits, which require 60% less force to stretch than conventional neoprene, and in a more durable wetsuit than traditional neoprene.



YKK8

The YKK 8 zip is smaller in width than standard zips. The reduced width allows for increased flexibility of the back panel and further limits water ingress.



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.



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