

TECHNOLOGY

NEOPRENE



YAMAMOTO

Orca uses Yamamoto neoprene, a strong, lightweight and high-performance material, in all of our products. The construction of the panels and the combination of the various high-quality materials place our wetsuits at the forefront of the sector.

38 CELL YAMAMOTO 38 CELL

The Yamamoto 38 cell neoprene provides compressive benefits for a better fit.

40 CELL YAMAMOTO 40 CELL

The Yamamoto 40 cell neoprene is an improved and flexible version of the 38 and 39 cell neoprene, exclusive to the highest quality ranges. This neoprene is the best on the market, non-exclusive to Orca.

39 CELL YAMAMOTO 39 CELL

The Yamamoto 39 cell neoprene is more elastic and flexible than ordinary neoprene, offering greater flexibility in specific areas.

44 CELL YAMAMOTO 44 CELL

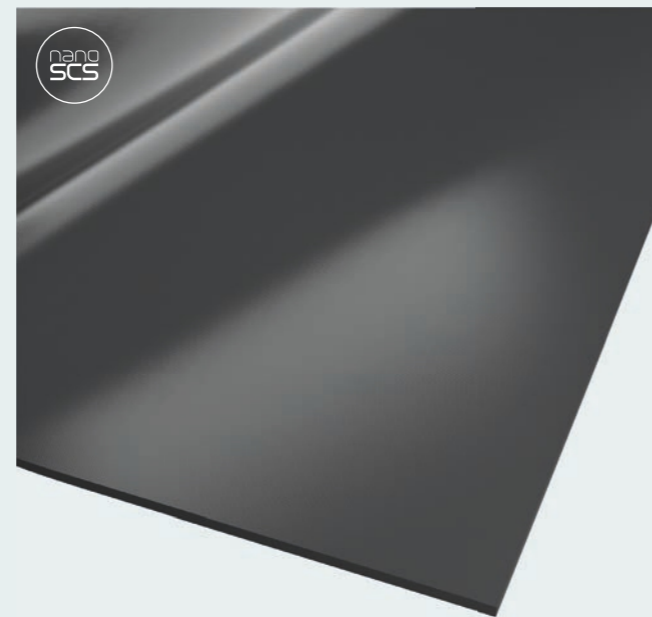
This exclusive Orca material is the most elastic version of Yamamoto 1.5 mm neoprene, providing maximum flexibility for a larger range of movement, ensuring a perfect fit and maximum shoulder performance.

COATING



SCS

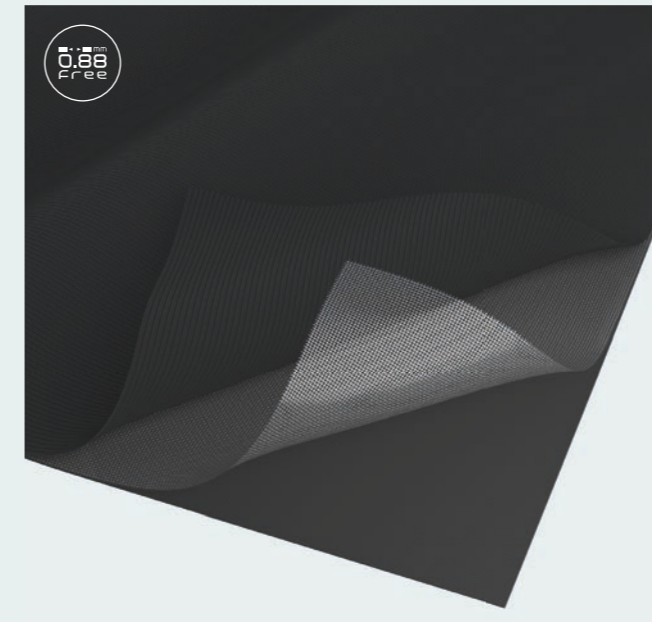
SCS technology is a neoprene treatment that provides minimal friction and ensures optimal hydrodynamics.



NANO ICE SCS

Nano Ice SCS is a premium treatment that guarantees minimal friction while swimming, maximizing hydrodynamics and allowing you to glide through the water.

NEOPRENE TECHNOLOGIES



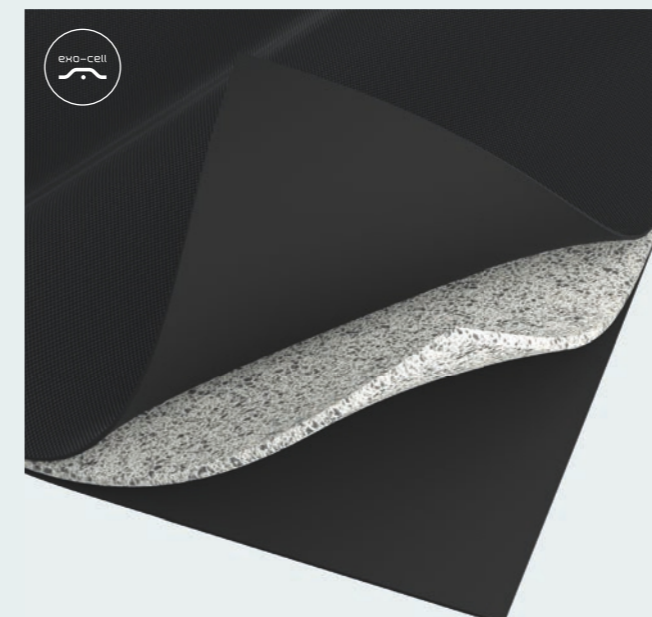
0.88 FREE

0.88 Free Technology has been developed with Yamamoto exclusively for Orca, with the goal of creating the thinnest neoprene on the market. The construction of five layers of neoprene, combined with the warm and reflective Titanium coating, is the secret to achieving great thermal insulation in this lightweight material. This revolutionary material is placed in the arms and back, thus achieving maximum stroke distance.



AERODOME 2

Aerodome 2 consists of small cavities located between two layers of pre-treated neoprene to provide 30% more buoyancy. Unlike Exo-lift, the inner layer of this material is composed of a high-quality lining that gives the neoprene more elasticity. Orca places this material in areas with the most body weight to elevate you to an optimal position in the water.



EXO-CELL

EXO-cell technology has a sandwich-like construction that consists of two layers of neoprene and a light foam that provides maximum buoyancy to the swimmer. Thanks to its low density and compressive capabilities, it helps to compensate for the Progressive Swimmer's technique.



EXO-LIFT

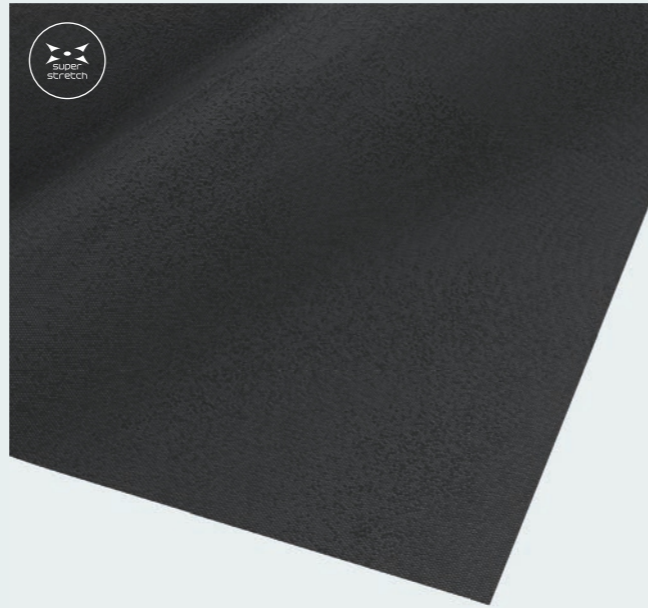
Exo-lift has a sandwich-like construction, which combines a layer of neoprene, Aerodome technology and a third layer of specially treated neoprene, which makes the neoprene even more durable, allowing maximum buoyancy for long distances and 0% water absorption. A little boost to help you maintain a hydrodynamic position at all times, even when you're tired.

LINING



INFINITY SKIN

The Infinity Skin inner lining gives you a sense of absolute freedom. Designed as a highly elastic nylon that incorporates Bamboo fibers, this technology is applied to the lining of the neoprene to offer you greater flexibility with each stroke. It maintains body heat longer and reduces bad smells and the presence of bacteria in your neoprene. It is also composed of natural and environmentally sustainable materials, to avoid skin irritation and to care for the environment.



SUPER STRETCH

Super Stretch premium inner lining provides maximum warmth and comfort so that your suit feels like a second skin. The material's composition makes the neoprene more flexible in your stroke, while providing the thermal insulation you need. Its technology reduces bad odors and prevents bacteria and skin irritation. This lining, combined with neoprene, creates the most elastic solution on the market.



HYDROLITE

Hydrolite technology helps your wetsuit come off more easily, making transitions even faster.

ORCA TECHNOLOGIES



FEEL THE WATER (FTW)

The Feel The Water (FTW) panel allows you to feel the water with every stroke, so that you might forget that you're wearing a wetsuit at all.



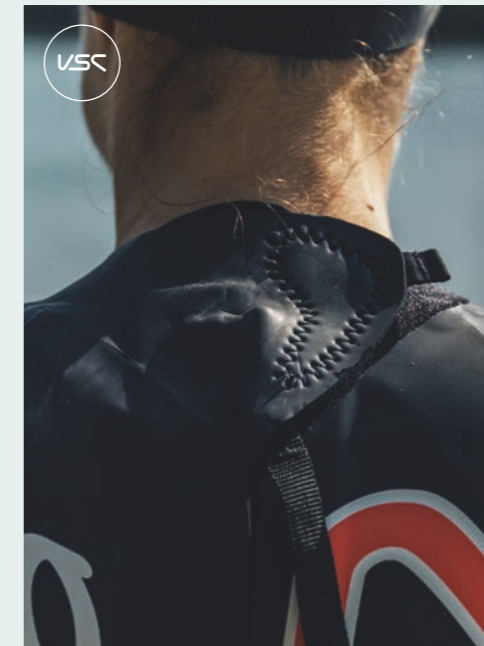
HIGH ELBOW PANEL (HEP)

High Elbow Panel technology helps to keep your arm elevated before the grip phase, providing greater stability while swimming.



CORE LATERAL STABILIZER (CLS)

The Core Lateral Stabilizer (CLS) system provides you with support in your abdominal area to prevent you from twisting while you swim.



ULTIMATE SEAL COLLAR

The combination of laser cutting on the neck and the inverse Velcro reduces friction preventing any abrasion on the skin.

ZIPPER



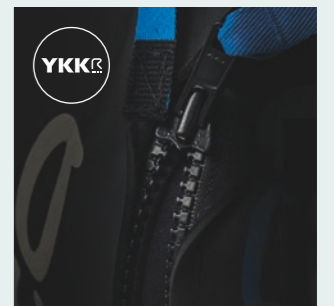
YKK #10

The YKK #10 zipper is a strong zipper of guaranteed quality. With the YKK seal it is more durable and sturdy than others on the market.



YKK #8

Flexible materials make it possible to use the YKK #8 zipper, which is smaller than what is used in most wetsuits, to improve elasticity and reduce water resistance while swimming.



YKK REVERSE

The YKK Reverse zipper prevents you the wetsuit from opening during the race. Its length and size is smaller than in the rest of our wetsuits, so its restriction is minimal, improving flexibility.