



DEEP INTO
EARTH SUP
NATURE





Gliding silently across the glassy surface of a lake, exploring new waterways with only your board and paddle, interacting with nature at its wildest, and the only trace that is left behind is your wake... SUP is an activity that can help you relax and unwind, discover and explore, or take you on your ultimate adventure, Deep into Nature.





At EARTH SUP our mantra, Deep into Nature, is as much about the equipment we use as the places we go. The board and paddle are the tools we use to engage and interact with our surroundings. We feel the same principles that guide us in our daily lives should be applied to the equipment we build and use. EARTH SUP is a new Paddleboard range of products which, wherever possible and feasible, aim to build and source our gear with construction techniques and materials that respect the environment in which they are used:

- A focus on on bio-sourced, renewable and/or recycled materials
- A production process that respects sustainable development, limiting waste by minimizing use of fossil fuels, painting & toxic resins.
- A commitment to ongoing research and development to progressively increase the quantity of bio-sourced, sustainable materials and the reduction of waste in the production process.

Unfortunately it is simply not possible today to build a board with zero impact on the environment. For example, at the core of every EARTH SUP board is an EPS (Expanded PolyStyrene) core, as no other feasible alternative exists. However, with EARTH SUP we've made the pledge to be better, and to continually develop the range of products so that wherever possible, we will make changes that make a difference.

The current EARTH SUP range features the following materials:

- Flax fiber
- Paulownia wood
- Cork
- Minimal Fiberglass
- Varnish-Free

The EARTH SUP range is made up of 3 product ranges :

- BISCAYNE & NOVA SCOTIA : Touring and adventure boards ideal for exploration and discovery, ready to be equipped with the necessary gear to get you there and back again.
- TORRE : A fitness platform ideal for yoga as well as shorter, flat-water day trips.
- THE PASS : Performance SUP Surf Longboards, ideal for soulful surfing, exploring your local spot and perfect all-purpose first board.

In the pages that follow you'll find details on each of our products. We are confident you'll find one that suits your needs, and your ethos.





The current EARTH SUP range features the following materials

CORK

Cork is widely used in the shoe industry because of its natural comfort and shock absorbing properties. Our Deck Pads feature this renewable resource for the same reasons.

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FLAX FIBER

Flax fiber is a naturally sourced material with similar flex and tensile strength to fiberglass, but is more durable. We use it on the rails of all EARTH SUP boards.



PAULOWNIA WOOD

Fast-growing, lightweight, warp resistant and strong. The entire deck and hull feature this beautiful and renewable wood.

MINIMAL FIBERGLASS

Fiberglass is only used for the final layer when finishing the board, keeping the quantity of this man-made mineral fiber to a minimum.

VARNISH-FREE

No varnish or paint is used for the graphics or finishing as these products tend to be toxic and are hazardous to work with.

SOURCED FROM NATURE

We have carefully selected materials which are bio-sourced and also have the necessary technical properties to ensure solid construction and performance. Flax fiber, Paulownia wood and Cork wood have been tested and proven in other industries and they now play a key role in the sourcing and production of EARTH SUP boards.

Looking towards the future, potential areas of ongoing development include the sourcing of materials for the foam core, the resins used in EARTH SUP boards, and the packaging. We currently use polystyrene foam for the core of EARTH SUP boards. While this foam is recyclable it is nonetheless a petroleum derivative. Research of alternative materials continues and we plan to transition to a bio-sourced material as soon as feasible. The same is true of bio-resins. For now we continue to use epoxy resin due to the limitations in performance of currently available bio-resins. We will move to a new resin as soon as an acceptable alternative is found. Finally, we plan to optimize the packaging of EARTH SUP boards as soon as a feasible and practical solution has been found.

FLAX

An ancient technology stronger than fiberglass

In Western Europe flax is cultivated along a coastal band stretching across southern Normandy to Northern France. Modern growers have by and large kept to the ancient methods in producing the high quality flax that now serves as the base for developing tough, durable fibers for industrial applications. The excellence of their product stems from a unique combination of damp ocean climate, rich soil and a highly prized understanding of historic techniques handed down through the generations. Flax is leading the way in the quest for clean, high-performance materials. Growing flax requires neither irrigation nor defoliant chemicals and also is a carbon sink. Useful right down to its roots, flax produces no waste. Researchers have achieved considerable progress in adapting the long flax fibers to production of high-performance composites.

Advantages of Flax Fiber:

- Natural, bio-degradable material
- Low energy consumption in production
- Not affected by UV exposure
- 40% lighter than fiberglass fiber
- Excellent resistance to flexion
- Absorbs vibration





PAULOWNIA

Naturally durable, light weight and beautiful

Paulownia is a tropical tree that is ideal for those looking to source a renewable, natural material for production. Fast-growing, it re-crops quickly, has a dense root structure to help stabilize soil and reduce erosion and grows well in fire-damaged forest zones. Its large, dense leaves rapidly create a rich floor loam after leaf drop. Its light, straight structure and resistance to water or resin absorption makes it a favorite among airplane and boat builders. These characteristics make it an ecologically sound and material with ideal mechanical properties for the production of light weight, highly durable SUPs.

Advantages of Paulownia:

- *Fast-growing, even in poor soils*
- *Dense root structure to help prevent erosion*
- *Doesn't absorb water*
- *Light weight, strong and straight fibers*

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CORK

Comfortable, natural, renewable

Cork comes from the Cork Oak Tree which grows in the Mediterranean basin. "Cork" is actually the bark of the tree, formed by build up of dead plant cells that protect the living tree trunk and branches. It takes 8 years for the bark to grow sufficiently for harvest. Its high rot-resistance and waterproof qualities make it a much-used material in modern eco-homes. A soft, supple feel under foot, non-slip properties and beautiful aesthetic help explain why we've chosen to use this material in the deck pads of all EARTH SUP boards.

Advantages of Cork:

- *Natural, renewable resource*
- *Water and rot resistant*
- *Non-slip surface*
- *Comfortable and Beautiful*



DEEP INTO NATURE



III PERFORMANCE

The BISCAYNE 12'6 x 28" is designed for Touring & Exploration. Whether it be day trips or week long expeditions, these boards have exceptional glide to help you get Deep into Nature and far from civilization. Ideal lighter weight to medium size riders (50-85 kg / 110-190lbs), the Biscayne's unique chine and bottom contours keep it stable in all water conditions, even when loaded front and back with dry bags full of gear. Reinforced attachment points allow you to secure equipment and accessory items with ease. The rails are reinforced with flax fiber, known as 'natures kevlar', for added durability both on and off the water. A Cork deck pad provides exceptional comfort while being true to the sustainable EARTH SUP ethos.

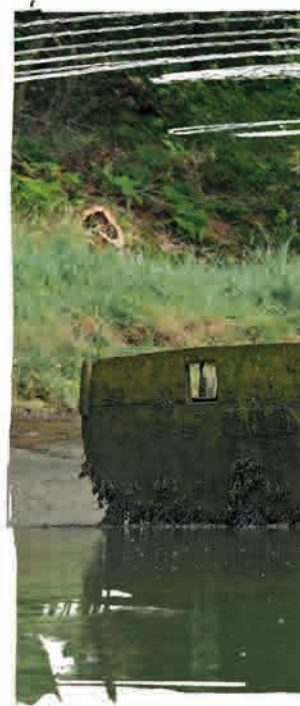
MATERIALS

- Core : Low density EPS Foam, 15 kg/m³
- Rail Lamination : Uni-Directional 300 gr/m² natural Flax fiber
- Deck + Hull Lamination : 100 g/m² natural Flax Fiber with Paulownia Wood
- Whole Board Lamination : 200 g/m² fiberglass
- Epoxy Resin with 30% bio-sourced materials
- Cork deck pad
- Cork deck pad

SPECS

Length : 381 cm / 12'6"
 Width : 71 cm / 28"
 Weight : 12.75 kg / 28.00 lbs
 Volume : 285 L
 Fin : US Box : Composite wood







PERFORMANCE

The BISCAYNE 12'6 x 29" is designed for Touring & Exploration. Whether it be day trips or week long expeditions, these boards have exceptional glide to help you get Deep into Nature and far from civilization. Ideal for medium to heavy riders (75-110 kg / 165-240+lbs), the Biscayne's unique chine and bottom contours keep it stable in all water conditions, even when loaded front and back with dry bags full of gear. Reinforced attachment points allow you to secure equipment and accessory items with ease. The rails are reinforced with flax fiber, known as 'natures kevlar', for added durability both on and off the water. A Cork deck pad provides exceptional comfort while being true to the sustainable EARTH SUP ethos.

MATERIALS

- Core : Low density EPS Foam, 15 kg/m³
- Rail Lamination : Uni-Directional 300 gr/m² natural Flax fiber
- Deck + Hull Lamination : 100 g/m² natural Flax Fiber with Paulownia Wood
- Whole Board Lamination : 200 g/m² fiberglass
- Epoxy Resin with 30% bio-sourced materials
- Cork deck pad

SPECS

Length : 381 cm / 12'6"
Width : 73.5 cm / 29"
Weight : 13.0 kg / 28.65 lbs
Volume : 305 L
Fin : US Box : Composite wood





III PERFORMANCE

The NOVA SCOTIA 14' x 28" is the Biscayne's larger cousin, designed for Touring & Exploration where efficiency, speed and added space are a factor. Ideal for medium to heavy riders (75-110 kg / 165-240+lbs), the Nova Scotia's unique chine and bottom contours, similar to the Biscayne, keep it stable in all water conditions even when loaded front and back with dry bags full of gear. Reinforced attachment points allow you to secure equipment and accessory items with ease. The rails are reinforced with flax fiber, known as 'natures kevlar', for added durability both on and off the water. A Cork deck pad provides exceptional comfort while being true to the sustainable EARTH SUP ethos.

MATERIALS

- Core : Low density EPS Foam, 15 kg/m³
- Rail Lamination : Uni-Directional 300 gr/m² natural Flax fiber
- Deck + Hull Lamination : 100 g/m² natural Flax Fiber with Paulownia Wood
- Whole Board Lamination : 200 g/m² fiberglass
- Epoxy Resin with 30% bio-sourced materials
- Cork deck pad

SPECS

Length : 426 cm / 14'0"

Width : 71 cm / 28"

Weight : 14.5 kg / 32.00 lbs

Volume : 315 L

Fin : US Box : Composite wood





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III

PERFORMANCE

The TORRE 10' x 33" is designed for Yoga/Fitness and also works great as an all-round board for lighter riders (<85 kg / <190 lbs). Its keeled nose and tip-to-tail width make it exceptionally stable while maintaining maximum glide and efficiency, helping you escape from the crowd and complete your yoga session in peace and tranquility. The flat deck area acts as a floating yoga mat, and is comfortable enough for a cat nap.

MATERIALS

- Core : Low density EPS Foam, 15 kg/m³
- Rail Lamination : Uni-Directional 300 gr/m² natural Flax fiber
- Deck + Hull Lamination : 100 g/m² natural Flax Fiber with Paulownia Wood
- Whole Board Lamination : 200 g/m² fiberglass
- Epoxy Resin with 30% bio-sourced materials
- Cork deck pad

SPECS

Length : 305 cm / 10'0"
Width : 84 cm / 33"
Weight : 11 kg / 24.25 lbs
Volume : 195 L
Fin : US Box : Composite wood



10' X 33" - 195L.
TORRE
DEEP INTO NATURE



PERFORMANCE

THE PASS 10'6 x 30" is first and foremost designed as a longboard style surf SUP for lighter riders (50-85 kg / 110-190 lbs). Fortunately this style of board lends itself to all-purpose flat-water cruising and is stable enough for new paddlers to gain confidence and progress. Given its all-round shape and versatility, THE PASS is a 'one board quiver', ideal if your looking for just one board for travelling and exploring off the radar surf spots as well as quiet coves.

MATERIALS

- Core : Durable density EPS Foam, 20 kg/m³ with central stringer
- Rail Lamination : Uni-Directional 300 gr/m² natural Flax fiber
- Deck + Hull Lamination : 100 g/m² natural Flax Fiber with Paulownia Wood
- Whole Board Lamination : 200 g/m² fiberglass
- Epoxy Resin with 30% bio-sourced materials
- Cork-deck pad

SPECS

Length : 320 cm / 10'6"

Width : 76 cm / 30"

Weight : 11.5 kg / 25.30 lbs

Volume : 155 L

Fin : US Box : Composite wood



10'6" X 30" - 155L
DEEP INTO NATURE

THE PASS



11'6" X 31" - 185L.
DEEP INTO NATURE

THE PASS





PERFORMANCE

THE PASS 11'6 x 31" is first and foremost designed as a longboard style surf SUP for lighter riders (75-110 kg / 165-240 lbs). Fortunately this style of board lends itself to all-purpose flat-water cruising and is stable enough for new paddlers to gain confidence and progress. Given its all-round shape and versatility, THE PASS is a 'one board quiver', ideal if your looking for just one board for travelling and exploring off the radar surf spots as well as quiet coves.

MATERIALS

- Core : Durable density EPS Foam, 20 kg/m³ with central stringer
- Rail Lamination : Uni-Directional 300 gr/m² natural Flax fiber
- Deck + Hull Lamination : 100 g/m² natural Flax Fiber with Paulownia Wood
- Whole Board Lamination : 200 g/m² fiberglass
- Epoxy Resin with 30% bio-sourced materials
- Cork deck pad

SPECS

Length : 350 cm / 11'6"
Width : 78.5 cm / 31"
Weight : 12.0 kg / 26.50 lbs
Volume : 185 L
Fin : US Box : Composite wood





www.supearth.com

EARTH SUP by BIC Sport

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