



WORKBOOK

The Spirit of Sea Kayaking



10th ANNIVERSARY Tiderace is celebrating its



This year sees Tiderace bringing more innovation and progress to the sport of sea kayaking...

Tiderace are pleased to announce that NELO (MAR Kayaks) Lda, Portugal have become the sole licensee of Tiderace sea kayaks. We are proud to be working with a highly regarded and long-standing leader in kayak innovation. NELO will be the manufacturing and operational front of Tiderace with Dave and Aled continuing with sales and new product development. NELO will always bring something special to the Tiderace range and we look forward to making more announcements in the near future.

Tiderace are committed to providing the discerning sea kayaker with a range of boats suitable for all paddling locations, sea conditions, styles and preference. We take pride in our design and manufacturing, employ the latest CAD software to refine our hull shapes and work with a dedicated and passionate team of boat builders to bring to market the best product we can make.

We build boats because we are dedicated paddlers. We design and build our own because we demand the best. A good kayak is the perfect complement to an awesome day out on the water.

To our way of thinking...

**The better the kayak, the better the experience...
WE ARE TIDERACE**



What is Team Tiderace?

Team Tiderace is the group of sea kayakers around the world who paddle, or aspire to paddle a Tiderace kayak and help play their part, large and small, to promote and develop Tiderace products. We know that the quality of design and construction of our kayaks can increase the pleasure and performance of your time on the water. The best people to tell the story of our kayaks are the people who choose to paddle them. We recognise the importance of such enthusiasm and belief in our products and want to encourage and support this. Team Tiderace is your platform for this...



KAYAK MODELS



Touring series

The Touring series appeal to sea kayakers who want get away from it all. At home crossing across oceans in all sea conditions, these kayaks are designed for traveling far from land, and for exploring the landscape from an on-water perspective. The generous volume in the hatches allows an escape for a few nights to several weeks and more, and once you land at your perfect spot you will enjoy the night in comfort.

The Xceed range of sea kayaks is designed to serve two purposes: to be efficient, capable, seaworthy expedition kayaks, while also being dynamic to paddle on day trips. Computer designed, the Xceed series hulls are honed to provide especially efficient cruising at above 4 knots. Hatch volume is large, especially in the larger model sizes – these boats have a proven expedition pedigree and used on record-breaking achievements. Cockpit foredecks are relatively high giving a dynamic and commanding paddling position. When paddled with a light load on day trips, the Xceed rewards the enthusiastic paddler who enjoys edge-turns and easy wave catching.

The Pace Action builds on Tiderace's best selling model and is a 'compact boat format' which saves weight and makes full use of the waterline length. The computer designed hull is specifically shaped to take advantage of the precise direction control gained by incorporating a rudder. Stable yet reactive and lively, the Pace Action is Tiderace's hidden gem – a highly capable all-rounder that's nimble and full of fun.

Play at sea

The boats in the Play at Sea series sit on a continuum between coastal touring to extreme rough water play. They appeal to paddlers who enjoy stability, maneuverability, who want to have fun where the sea meets the coast. Where cliffs and rocks meet waves and swell, these kayaks will delight paddlers with their precise edge handling and ease of turning. When the sea's energy is channeled skywards, these boats excel in the surf. You will play, learn and grin your way through the day.

The Xtra is Tiderace's innovative playboat for the sea. It surfs, it carves, it edges. It's the thrill-seeker's boat of choice. Although capable of light touring, the Xtra's expertise is in the wild and rough environments of the tideraces and overfalls. Its surfing ability in these conditions is second to none – the hull shape allows for linked carving turns on the green waves and for progressive control when the wave breaks – it's the 'take-on-anything' sea kayak. The Xtra has ample speed to get you to the remotest locations and a seaworthy design which lets you enjoy the rough-stuff along the way. The cockpit ergonomics transfer a wealth of feedback back to the paddler making the Xtra a true paddler's boat.

The rotomoulded Vortex is designed to hug the coastline and revel in the interface between sea and rock. A 'sister design' to the Xtra, its polyethylene construction is engineered to take the knocks and the scrapes of rockhopping, yet retains a highly responsive hull for surfing.

Fast expedition

The kayaks in the Speed at Sea combine the best features and characteristics of the Tiderace range with new thinking about how the next generation of sea kayakers should perform. These appeal to progressive kayakers who value speed but don't want to sacrifice comfort, and who're looking to upgrade to the next level.

The Tiderace Pace18 is designed for efficient cruising at over 5 knots. The Pace18 is a stable and seaworthy kayak designed for adventurers with an "alpinist" approach to expedition kayaking, endurance racing and down-winding. It's regarded as being the fastest of the rough water capable racing sea kayaks on the market.

The Tiderace Pace17 Tour is a serious expedition sea kayak. It's a high volume load carrier that has the speed of a race boat. With its record breaking pedigree, the '17 defines a new genre where a fast expedition kayak neither need to be long in length nor unstable in nature. Advocates of the '17 comment on the design's unerring steadfastness even in the roughest of seas, truly a sea boat which looks after its owner. The Pace17 Tour retains the signature Tiderace cockpit and four hatch layout and as featured in all Tiderace boats, computer designed throughout. The Pace tour carries a load more efficiently over a distance than any other Tiderace kayak.

CLASSIFICATION





Expedition Sea Kayaking

XCEED

The Xceed – the enthusiast’s new boat of choice; designed to be to be an efficient, capable, seaworthy expedition kayak, while also being dynamic to paddle on day trips. Computer designed, the Xceed series of hulls are honed to provide especially efficient cruising at above 4 knots. Hatch volume is large, especially in the larger model size – these boats are a new generation developed from proven expedition pedigree and record-breaking achievements. The Xceed’s ease of edging and turning combined with its stability makes it the adventurer’s favourite ‘go-anywhere’ and ‘take-on-anything’ sea kayak. Cockpit foredecks are relatively high, retaining the dynamic and commanding paddling position associated with Tiderace designs. Designed to take the hard work out of expeditioning, the Xceed glides through the most challenging waters whilst eating away the miles.



SPECIFICATIONS

Dimensions	Xceed-S		Xceed		Xceed-X	
Suitable paddler weight	60 - 85 kg	132 - 187 lbs	75 - 95 kg	165 - 210 lbs	85 - 105 kg	187 - 232 lbs
Length						
overall	540 cm	17' 9"	540 cm	17' 9"	550 cm	18' 0"
Paddler/kayak-waterline	65 / 24 kg	460 cm / 15'1"	75 / 25 kg	460 cm / 15'	95 / 26 kg	468 cm / 15'4"
Width						
overall	53 cm	21"	54 cm	21.25"	57.5 cm	22.65"
Paddler/kayak-waterline	65 / 24 kg	51.2 cm / 20"	75/25 kg	51.2 cm / 20"	95 / 26 kg	55.4 cm / 21"
Depth	29.5 cm	11.6"	30.5 cm	12"	33.5 cm	13.2"
Cockpit	87 x 49 cm	34.25 x 19.3"	87 x 49 cm	34.25 x 19.3"	89 x 52 cm	32 x 20.5"
Volumes & Hatches						
Front						
oval	66 ltr	17.45 gal	72 ltr	15.84 gal	84 ltr	18.5 gal
44 x 26 cm	17.5 x 10.5"	44 x 26 cm	17.5 x 10.5"	44 x 26 cm	17.5 x 10.5"	
Foredeck						
round	3 ltr	0.79 gal	3 ltr	0.79 gal	3 ltr	0.79 gal
15 cm	6"	15 cm	6"	15 cm	6"	
Day						
round	36 ltr	7.9 gal	38 ltr	8.35 gal	42 ltr	9.25 gal
20 cm	8"	20 cm	8"	20 cm	8"	
Rear						
oval	70 ltr	15.3 gal	74 ltr	16.25 gal	86 ltr	18.9 gal
44 x 26 cm	17.5 x 10.5"	44 x 26 cm	17.5 x 10.5"	44 x 26 cm	17.5 x 10.5"	
Cockpit	167 ltr	36.7 gal	180 ltr	39.6 gal	227 ltr	49.9 gal
Total litres / gallons	342 ltr	75.2 gal	364 ltr	80 gal	442 ltr	97.25 gal
Weights						
G-Core Epoxy N7	24 kg	53 lbs	25 kg	55 lbs	26 kg	57 lbs
Hardcore Epoxy N8	22.75 kg	50 lbs	23.75 kg	52.4 lbs	24.75 kg	54.5 lbs
Carbon Epoxy N9	20.5 kg	45 lbs	21.5 kg	47.5 lbs	22.5 kg	49.5 lbs

Master play at sea



XTRA

Tiderace has created another extraordinary kayak. Designed for surf and rock hopping, the Xtra makes all the traditional play manoeuvres easy and new ones possible! Incorporating a planing hull and loads of rocker, this highly controllable boat plays the sea with abandon. Quick acceleration for bursting through the eddyline or initiating a surf, excellent stability for carving bottom turns, and loose ends for quick cut-backs are some of the results of this forward thinking design. Like all Tiderace sea kayaks, the Xtra is designed to keep pace with the group on a day trip. Load up your camping kit and paddle to your favourite remote play spot, the Xtra handles the sea in all conditions.

SPECIFICATIONS

Dimensions	Xtra		Xtra HV	
Suitable paddler weight	65 - 90 kg	143 - 199 lbs	80 - 100 kg	176 - 220 lbs
Length				
overall	505 cm	16' 6"	505 cm	16' 6"
Paddler/kayak-waterline	80 / 24.5 kg	435 cm / 14'3"	90 / 25 kg	435 cm / 14'3"
Width				
overall	56 cm	22"	56.5 cm	22.25"
Paddler/kayak-waterline	80 / 24.5 kg	55 cm / 21"	90/25 kg	55.4 cm / 21"
Depth	30.5 cm	12"	32.5 cm	13"
Cockpit	87 x 49 cm	34.25 x 19.3"	87 x 49 cm	34.25 x 19.3"
Volumes & Hatches				
Front				
round	68 ltr	15 gal	74 ltr	16.25 gal
24 cm	10"	24 cm	10"	
Foredeck				
round	3 ltr	0.79 gal	3 ltr	0.79 gal
15 cm	6"	15 cm	6"	
Day				
round	34 ltr	7.5 gal	37 ltr	8.13 gal
20 cm	8"	20 cm	8"	
Rear				
round	75ltr	16.5 gal	81 ltr	17.82 gal
24 cm	10"	24 cm	10"	
Cockpit	160 ltr	35.2gal	174 ltr	38.25 gal
Total litres / gallons	340 ltr	74.8 gal	369 ltr	81.17 gal
Weights				
G-Core Epoxy N7	24.5 kg	54.0 lbs	25 kg	55 lbs
Hardcore Epoxy N8	23.25 kg	51.26 lbs	23.75 kg	52.4 lbs
Carbon Epoxy N9	21 kg	46.3 lbs	21.5 kg	47.5 lbs



A ROCK HOPPING AND SURFING SUPERSTAR



LIGHTWEIGHT FAST TOURING AND RACING

VORTEX

Like its cousin the Xtra, the Vortex is an excellent design for rock-hopping, surfing and tidal play – The polyethylene construction is ideal for new comers to sea kayaking or those looking to take their kayak into rock gardens or surf. Generous width gives the Vortex a high initial and secondary stability – this inspires confidence in less experienced paddlers who wish to improve their skills. The Vortex has a high cruising speed for a “play the sea” kayak, easily keeping up with the group on day trips. Add the Vortex to your quiver of Tiderace boats for a performance playboat for you and a stable, well-mannered sea kayak you can put your friends in!

SPECIFICATIONS

Dimensions		Vortex	
Suitable paddler weight		70 - 100 kg	154 - 220 lbs
Length			
overall		505 cm	16' 6"
Paddler/kayak-waterline		80 / 27 kg	435 cm / 14'3"
Width			
overall		56.5 cm	22.25"
Paddler/kayak-waterline		80 / 27 kg	55.4 cm / 21"
Depth		31.5 cm	12.5"
Cockpit		87 x 49 cm	34.25 x 19.3"
Volumes & Hatches			
Front		68 ltr	15 gal
round		24 cm	10"
Foredeck		3 ltr	0.79 gal
Day	round	15 cm	6"
Rear	round	34 ltr	7.5 gal
		20 cm	8"
	round	75 ltr	16.5 gal
	round	24 cm	10"
Cockpit		160 ltr	35.2 gal
Total litres / gallons		340 ltr	74.8 gal
Weights			
3-Lay Polyethylene N10		27.5 kg	60.5 lbs



PACE 18

Pure science! A fast sea kayak (FSK) is defined by the ratio of its surface waterline length to surface waterline width when it sits 4 inches deep in the water. This 18 foot long kayak takes this measurement ratio as close to the limit as tolerances allow. Minimal mid-section rocker, rounded cross-sections throughout and computer designed to give the lowest possible resistance values at racing speed.

The Pace18 is configured with the signature Tiderace cockpit design which allows full boat control in rough or moving water along with an ability to be eskimo rolled. This swede form hull, designed for efficient cruising at over 5 knots, possesses a high sprint speed yet is surprisingly stable for such a pure-bred racing sea kayak. Pace 18 can be an effective lightweight touring kayak for the “Alpinist” style paddler who wants to cover distances quickly.

SPECIFICATIONS

Dimensions		Pace 18	
Suitable paddler weight		70 - 95 kg	154 - 210 lbs
Length			
overall		548.6 cm	18' 0"
Paddler/kayak-waterline		80 / 23.25 kg	548 cm / 18'0"
Width			
overall		53.5 cm	21"
Paddler/kayak-waterline		80 / 23.25 kg	48.4 cm / 19"
Depth		31.5 cm	12"
Cockpit		87 x 49 cm	34.25 x 19.3"
Volumes & Hatches			
Front		80 ltr	17.6 gal
round		24 cm	10"
Foredeck		3 ltr	0.79 gal
round		15 cm	6"
Rear		119 ltr	26.2 gal
oval		44 x 26 cm	11.7 x 7.5"
Cockpit		172 ltr	37.8 gal
Total litres / gallons		374 ltr	82.25 gal
Weights			
G-Core Epoxy N7		23.25 kg	51.26 lbs
Hardcore Epoxy N8		22 kg	48.5 lbs
Carbon Epoxy N9		19.75 kg	43.5 lbs



Fast Expedition Sea Kayaking



Versatile day tripper or dynamic play boat

PACE TOUR

The Pace Tour takes a fresh look at how a high performance expedition kayak should perform. Retaining our signature Tiderace cockpit design and four hatch layout, the Tiderace Pace Tour has been designed using computer from the keel up. Some key concepts have been taken from the Pace18 and adapted and embodied into the Pace Tour to create a modern expedition kayak.

The Pace Tour carries a load more efficiently over a distance than any other Tiderace expedition kayak, it's more stable, has a faster sprint speed to catch and surf waves easier and is more efficient paddling upwind. A narrow hull width forward of the cockpit allows for an effective catch during the paddle stroke and it has a rudder for precise direction control. The new styled deck shape adds storage space, increases overall boat stiffness and water-shedding properties.

SPECIFICATIONS

Dimensions		Pace Tour		Pace Tour-S	
Suitable paddler weight		80 - 110 kg	176 - 243 lbs	60 - 95 kg	132 - 210 lbs
Length					
	overall	522 cm	17' 1"	522 cm	17' 1"
	Paddler/kayak-waterline	85 / 25.25 kg	506 cm / 16'7"	70 / 24.75 kg	506 cm / 16'7"
Width					
	overall	53 cm	21"	52.5 cm	20.75"
	Paddler/kayak-waterline	85 / 25.25 kg	50 cm / 20"	70/24.75 kg	49.5 cm / 19.8"
Depth		32 cm	12.5"	30 cm	12"
Cockpit		87 x 49 cm	34.25 x 19.3"	87 x 49 cm	34.25 x 19.3"
Volumes & Hatches					
Front		90 ltr	19.8 gal	80 ltr	17.6 gal
	oval	44 x 26 cm	17.5 x 10.5"	44 x 26 cm	17.5 x 10.5"
Foredeck		3 ltr	0.79 gal	3 ltr	0.79 gal
	round	15 cm	6"	15 cm	6"
Day		41 ltr	9.0 gal	38 ltr	8.35 gal
	round	20 cm	8"	20 cm	8"
Rear		89 ltr	19.6 gal	83 ltr	18.25 gal
	oval	44 x 26 cm	17.5 x 10.5"	44 x 26 cm	17.5 x 10.5"
Cockpit		182 ltr	40 gal	172 ltr	37.85 gal
Total litres / gallons		405 ltr	89 gal	375 ltr	82.5 gal
Weights					
G-Core Epoxy N7		25.25 kg	55.7 lbs	24.75 kg	54.5 lbs
Hardcore Epoxy N8		24 kg	52.9 lbs	23.5 kg	51.8 lbs
Carbon Epoxy N9		21.75 kg	47.95 lbs	21.25 kg	46.8 lbs



PACE ACTION

The Pace Action brings true versatility to the Tiderace range. Based on the proven Xcite hull a Pace Action offers hull speed, carrying capacity and world class rough water handling to rival most traditional sea kayaks. If you're in the market for a short, light, efficient tourer/day tripper that turns into a dynamic play boat with the simple haul on the rudder line then you should give it a try.

SPECIFICATIONS

Dimensions		Pace Action		Pace Action-S	
Suitable paddler weight		75 - 95 kg	165 - 210 lbs	60 - 85 kg	132 - 187 lbs
Length					
	overall	480 cm	15' 9"	480 cm	15' 9"
	Paddler/kayak-waterline	80 / 23.25 kg	456 cm / 15'0"	75 / 22.75 kg	456 cm / 15'0"
Width					
	overall	54 cm	21"	54 cm	21"
	Paddler/kayak-waterline	80 / 23.25 kg	52.5 cm / 20.8"	75/22.75 kg	52.5 cm / 20.8"
Depth		30.5 cm	12.25"	29 cm	11.5"
Cockpit		87 x 49 cm	34.25 x 19.3"	87 x 49 cm	34.25 x 19.3"
Volumes & Hatches					
Front		74 ltr	16.25 gal	67 ltr	14.74 gal
	round	24 cm	17.5 x 10.5"	24 cm	17.5 x 10.5"
Foredeck		3 ltr	0.79 gal	3 ltr	0.79 gal
	round	15 cm	6"	15 cm	6"
Day		37 ltr	8.13 gal	34 ltr	7.48 gal
	round	20 cm	8"	20 cm	8"
Rear		81 ltr	17.8 gal	74 ltr	16.28 gal
	round	24 cm	17.5 x 10.5"	20 cm	17.5 x 10.5"
Cockpit		175 ltr	38.5 gal	158 ltr	34.75 gal
Total litres / gallons		370 ltr	81.4 gal	335 ltr	73.7 gal
Weights					
G-Core Epoxy N7		23.25 kg	51.25 lbs	22.75 kg	50.15 lbs
Hardcore Epoxy N8		22 kg	48.5 lbs	21.5 kg	47.5 lbs
Carbon Epoxy N9		19.75 kg	43.54 lbs	19.25 kg	42.44 lbs



TCT | CONSTRUCTION AND MATERIALS

NEW Design & Colourways

Tiderace Core Technology

Tiderace Core Technology – a specially formulated epoxy resin in a multi-layer laminate, with an additional resin supported core. Performance laminates that give significantly stronger, stiffer and lighter kayaks, far exceeding a typical polyester resin, fibreglass construction.

Epoxy resin is infused into our kayaks under full vacuum then post-cured at elevated temperatures to create the strongest sea kayaks.

TCT Core

TCT Core makes use of the structural 'I-Beam' principle of strengthening and stiffening structures. By using the very best fibre reinforcements and epoxy resin to make up both inner and outer layers, and a core material that structurally connects these layers, Tiderace achieves a structural composition that's second to none. By simply test-paddling our boats, this performance advantage becomes obvious and measurable.

Advanced hull and deck joins

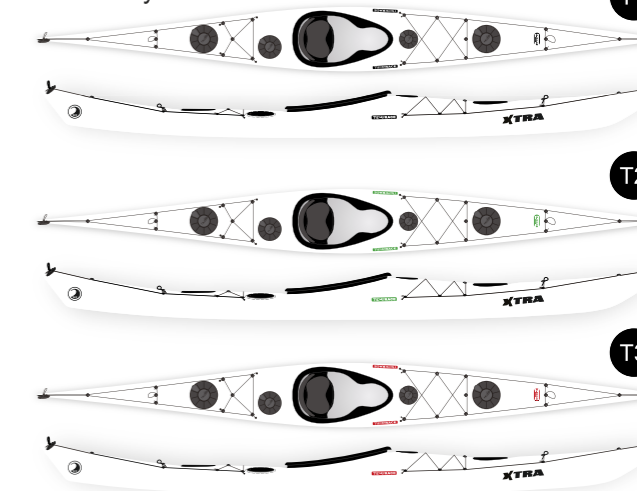
The hull and deck join consists of a full epoxy laminate overlap on both inner and outer surfaces to give the strongest join possible. The outer surface is then gelcoated and polished for an immaculate, seam free finish – a first in sea kayak construction.

Tiderace designs and colourways T1 – T8 available across the model range.

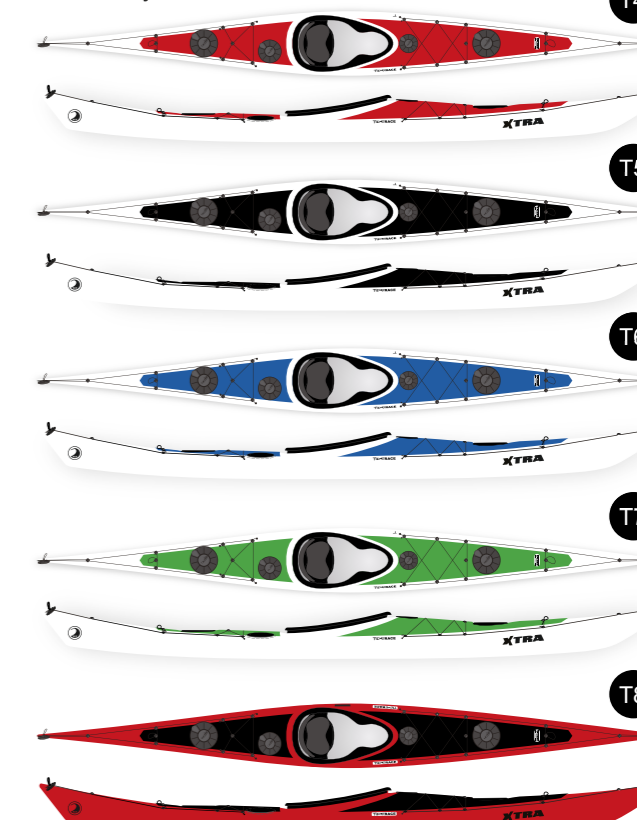
Create a custom look that sets your boat apart from the pack.

You can order your own custom colours from the shade palette or create your own deck design. Prices may vary depending on the complexity of the design.

DECK DESIGN 1 Colourways



DECK DESIGN 2 Colourways

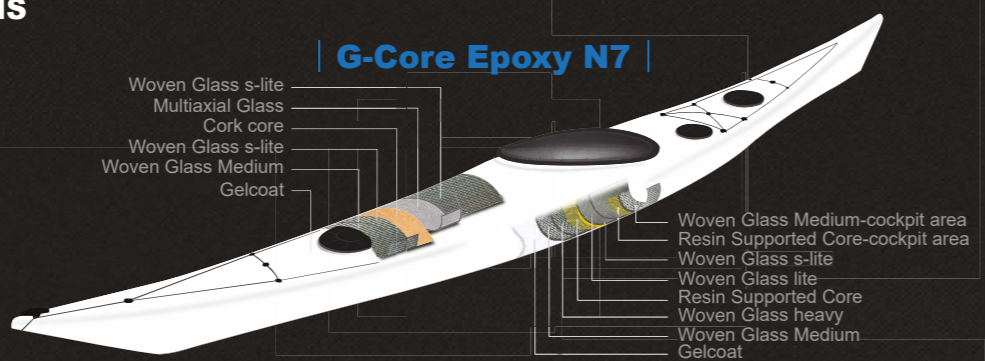


CONSTRUCTION OPTIONS

G-CORE EPOXY

The bedrock of the Tiderace constructions, much stronger than competitors' standard boats.

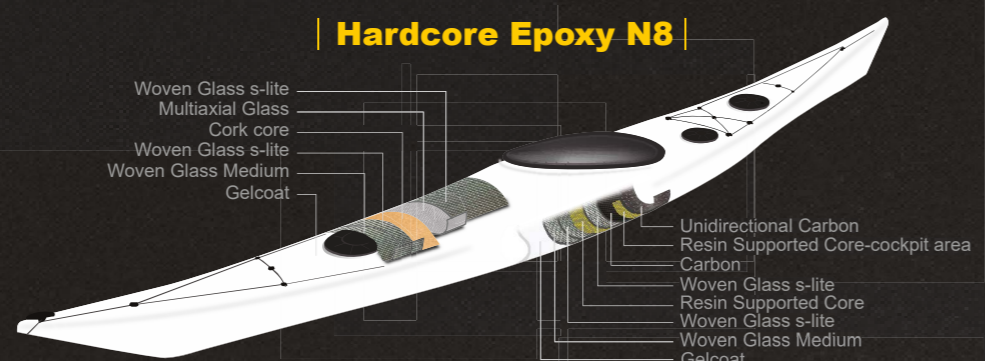
- Multiaxial glass cloth encapsulates the resin supported core material
- Extra localised reinforcing is employed in high stress areas
- Vacuum-infused, heat-cured epoxy



HARDCORE EPOXY

Aspirational, the toughest and most durable of the Tiderace constructions.

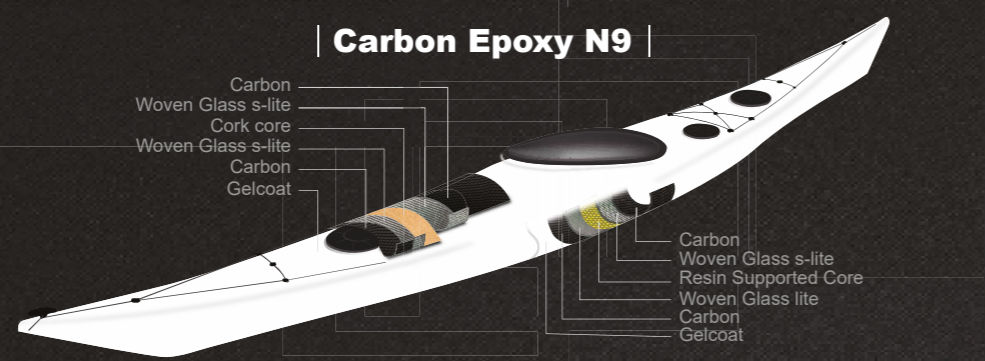
- Resin supported core
- Multiple layer composite hybrid of multiaxial fiberglass and Carbon
- Vacuum-infused, heat-cured epoxy



CARBON EPOXY

Carbon Epoxy is light, stiff, and extremely strong in the water. Lighter weight provides easier handling and stiffness is ideal for racing, fitness training or light fast touring. Perfect for ultimate speed and handling less suited to the rigours of expedition.

- Resin supported cork and foam core
- Combination of lightweight biaxial glass, unidirectional carbon and Carbon layers to deck and hull
- Vacuum-infused, heat-cured epoxy



COLOUR OPTIONS

Nelo Shade Palette

- RAL 1015 Cream
- RAL 1016 Yellow
- RAL 1023 Dark Yellow
- RAL 2004 Orange
- RAL 3003 Bordeaux
- RAL 3020 Red
- RAL 4006 Purple
- RAL 5005 Blue "italy"
- RAL 5013 Dark Blue
- RAL 5015 Blue
- RAL 5012 Light Blue
- RAL 6018 Light Green
- RAL 6019 Green
- RAL 6029 Green "POR"
- RAL 6020 Dark Green
- RAL 7004 Gray Reflect
- RAL 9004 Black
- RAL 9016 White

Hardcore Epoxy & Carbon Epoxy constructions have Carbon cockpit, rim, seat & bulkheads trim as standard.

PICTURE CREDITS

1. Front Cover Photographer : Eurion Brown, Paddler: Michal Madera
Sunset Photographer: Chisato Ishihara, Paddler: Fernando Rey
Xceed at Old Harry Photographer: Michal Madera, Paddler: Hana Kubinova
2. Bow of boat Photographer: Michal Madera
Group shot
Photographer: Olli Sariola
3. Background shot Photographer: Michal Madera
Vortex in rocks Photographer: Roddy McDowell
Xceed Old Harry Photographer: Michal Madera, Paddler: Hana Kubinova
Xtra surfing Photographer: Eurion Brown, Paddler: Michal Madera
Mediterranean Photograph: Hugh Kingston
Paces on black sand beach Photographer: Michal Madera
4. Xceed at Old Harry Photographer: Michal Madera, Paddler: Natalie Maderova
5. Green Xtra Photographer: Michal Madera, Paddler: Natalie Maderova
6. Vortex Photographer: Ralf Linckens, Paddler: Alex Verkerk
7. Pace 18 Photographer: Chris Gash, Paddler: Aled Lloyd Williams
8. Pace Tour Photographer: Rob Mercer
9. Pace Action Photographer: Lorimer Nish, Paddler: Michal Madera
10. Construction – Xceed Photographer: Jay Rose
11. Colourways – studio shots
12. Back cover – Photographer: Michal Madera, Paddler Natalie Maderova

CONTACT US :

Tiderace Sea Kayaks
Thundergay
Cullipool
Oban
PA34 4TX
UK

Tel: 0044 1852 314147
Mob: 0044 7789 063746

df.tiderace@gmail.com

