



IMPSPORT

WORLD-CLASS RACE SUITS DESIGNED & MADE IN THE UK

IMPSPORT.COM





WELCOME TO IMPSPORT

Impsport have provided custom cycling kit to the world's elite riders since the late 1970s, including Tour de France champions, national squads and professional teams.

Our new range of performance race suits brings together the knowledge we have gained by working with some of the greatest athletes and industry leading independent research and design facilities.

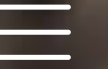


RACE SUIT DESIGN BRIEF

ENSURE RIDERS HAVE THE FASTEST POSSIBLE GARMENTS FOR THEIR CHOSEN EVENT - INTEGRATING DESIGN, FABRIC TECHNOLOGY, INNOVATION AND ENGINEERING TO CREATE THE FASTEST SUITS AVAILABLE IN THE UK CUSTOM MARKET

- Utilising the best materials and technologies sourced from around the world.
- Investing in research and technology to stay at the forefront of world sport.
- Produce products of exceptional quality and fit.
- Fly the flag for British design and innovation.
- Provide cost effective solutions for all levels of elite sport.



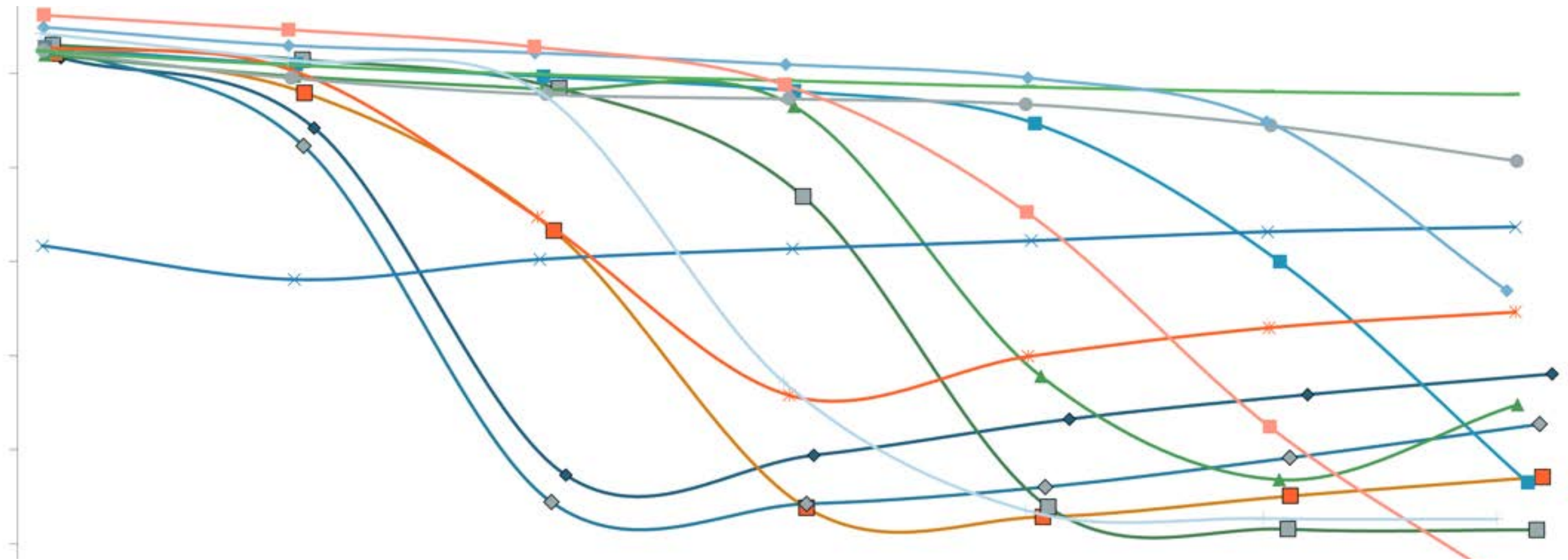




WIND TUNNEL TESTING

R&D TESTING FABRICS

The Reynolds Number describes the flow pattern of the air. Lower is faster, great, but different fabrics have optimal performances at different velocities including the acceleration zones (e.g. standing starts) and at maximum speed. Selecting the best fabric for each panel of the suit, for the required acceleration and different event characteristics, is key to building a fast race suit.



WIND TUNNEL TESTING

REDUCING DRAG & SAVING WATTS

By reducing the drag of the suit the rider can increase speed whilst still putting in the same effort - drag dropped is power (Watts) saved. To better understand the impact of drag reduction we first establish a baseline to measure against and then change conditions to optimise the setup. This is done through stages; firstly testing fabrics around a cylinder to establish their performance at different speed points, then construction of the garment patterns and testing riders in the suits, and finally real world conditions on the track and road.



SMALL FEATURES = BIG GAINS

The fabrics have been assessed and selected for our race suit ranges - now we can optimise the performance of the suit by looking at the overall aerodynamic characteristics, enhancing each element to the max (whilst still staying within the rules):

- Reduce drag with trip seams in perfect aero positions.
- Maximise total aerodynamic gains with air stability enhancements.
- Improve garment shape with custom fitting to ensure perfect airflow for the individual.
- Unique stretch zips with flex technology for a better garment hold whilst increasing comfort too.
- Wind tunnel and real-world testing at every step to turn incremental advantage into world beating race suits.





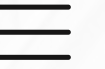
CUSTOM FIT SERVICE

WANT TO GO FASTER?

The performance of a race suit is considerably improved when it is custom fitted to the rider - creating a pattern which perfectly matches unique proportions. Our team of skilled technicians can even custom fit our kit remotely for a more cost-effective solution. This includes the latest in overshoe technology - the Impsport T3 Aero Overshoe, which can be tailored to fully meet UCI specifications and has shown real-world savings of 10+ Watts!

10+ WATTS





UPRIGHT POSITION
T3.2 RACE SUIT

CUSTOM

T3 Suits can be custom fitted to your individual requirements for an enhanced streamline shape, lowering the CdA (drag coefficient) and increasing Watt savings.

STABILITY

Minimal panel construction technology for a reduction in seams, enhancing aerodynamic stability, comfort and speed through the air.

SPRINT

This garment is specifically patterned for the upright position of sprint events to maximise gains in these disciplines.

SPEED

Optional single or double integrated race number pockets included as standard providing optimum streamline shape whilst protecting your suit from pin damage.



LOW PRO POSITION
T3.1 TT SUIT



CUSTOM

The design application is fully customisable including a choice of seat pads supplied by industry leading Dolomiti (Italy).

TIME TRIAL

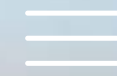
Specifically patterned for the low-pro position of TT and pursuit events to maximise gains in these disciplines.

TAILORED

The Impsport team of skilled technicians can custom fit our garments remotely for a more cost-effective solution.

TECH

The fabrics utilised have been especially selected for their unique streamline properties and benefit from air flow analytics during garment production.



T3.2 AERO+ TT SUIT

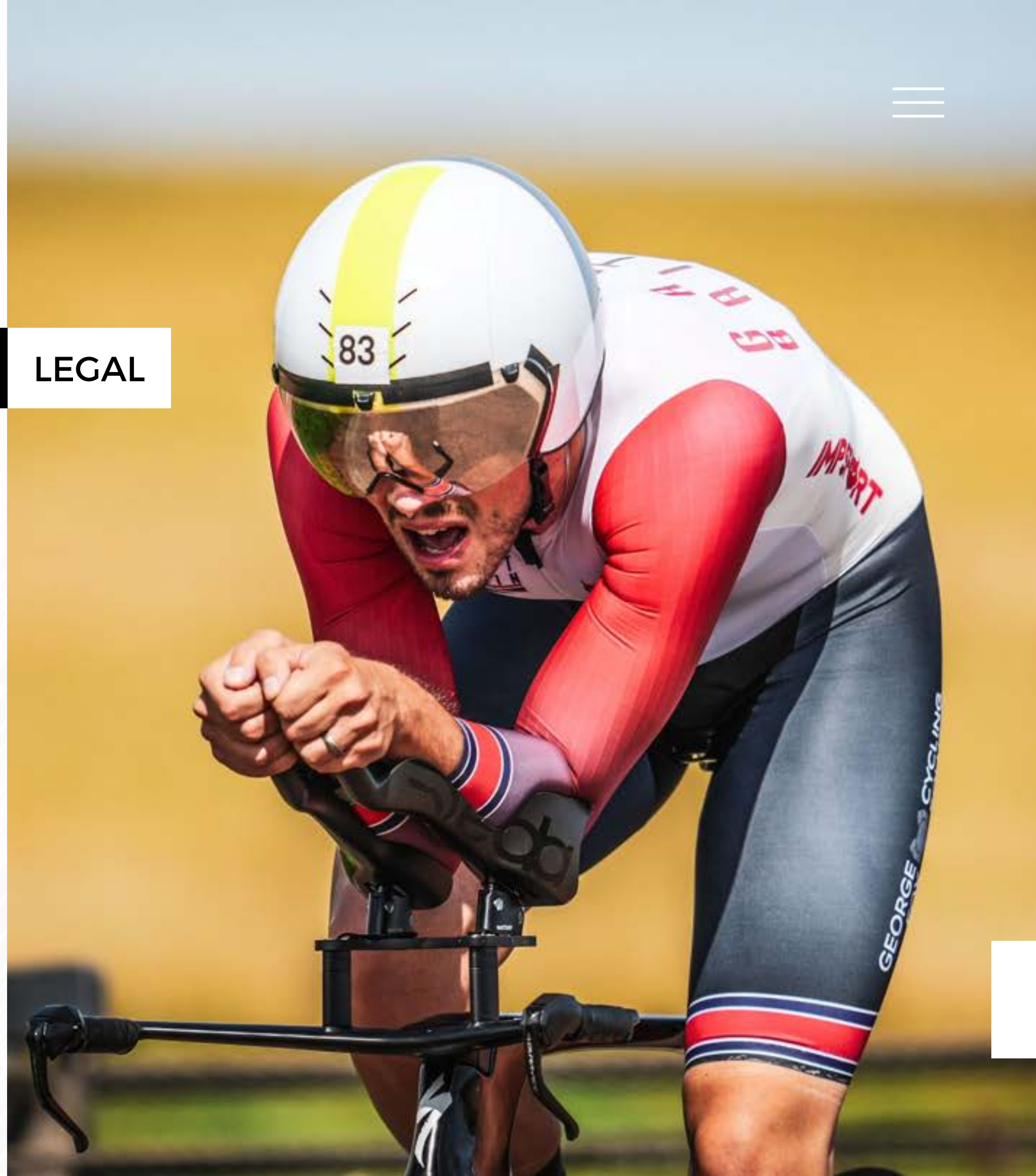
UCI LEGAL

The T3.2 Aero+ TT Suit offers patented (EP3213911B1) boundary layers in the upper sleeves and side panels to yield significant aerodynamic savings.

The composite construction stretches a smooth outer fabric over a ribbed inner layer, creating subsurface disruptions and displacing the air flowing over the boundary layer.

Fully UCI legal, the suit has undergone rigorous testing and is suitable for official events.

PATENTED MULTI-MEMBRANE BOUNDARY LAYERS





LOW PRO POSITION
T3.2 AERO+ TT SUIT

CUSTOM

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PATENT

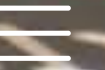
Patented boundary layers in the upper sleeves and side panels to enhance aerodynamic stability and reduce drag, maximising speed through the air.

UCI LEGAL

Fully UCI legal, the suit has undergone rigorous testing and is suitable for official events.

TIME TRIAL

Specifically patterned for the low-pro position of TT and pursuit events to maximise gains in these disciplines.



TOM WARD - WARD PERFORMANCE

" I was the test rider for the Impsport T3 Suit performance analytics which involved testing a range of well known brands and models at 10, 15 and 20 m/s (36, 54, 72 kph) respectively.

It was clear that the Impsport T3.2 Racesuit and T3.1 TT Suit were the two fastest suits across all speeds tested. Upon further analysing the data, it showed that the suit had drastically lowered my overall CdA.

I was keen to get one of these suits for myself! "



DESIGNED & MADE IN BRITAIN

UNIQUE SOLUTIONS

The Impsport team of designers and garment technicians work together to gain every ounce of performance possible.

All parts of the design, fitting and production process are carried out at our Lincoln base to ensure quality throughout - at a price that won't make your eyes water.



IMPSPORT PARTNERS

Impsport have the privilege of working with the most talented and motivated riders of the past 40+ years. We develop and manufacture custom cycling race suits for the UK Sports Institute, who have themselves produced kit for the national governing body of British cycling. You've probably seen Impsport kit in lots of (dis)guises!



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