

Stadium & Arena Flooring



Structural GRP Flooring Panels for High Footfall
Walkways, Seating Areas, Skywalks & Concourses

Unlocking the Power of Composites™
» for Stadiums & Arenas

dura™
composites



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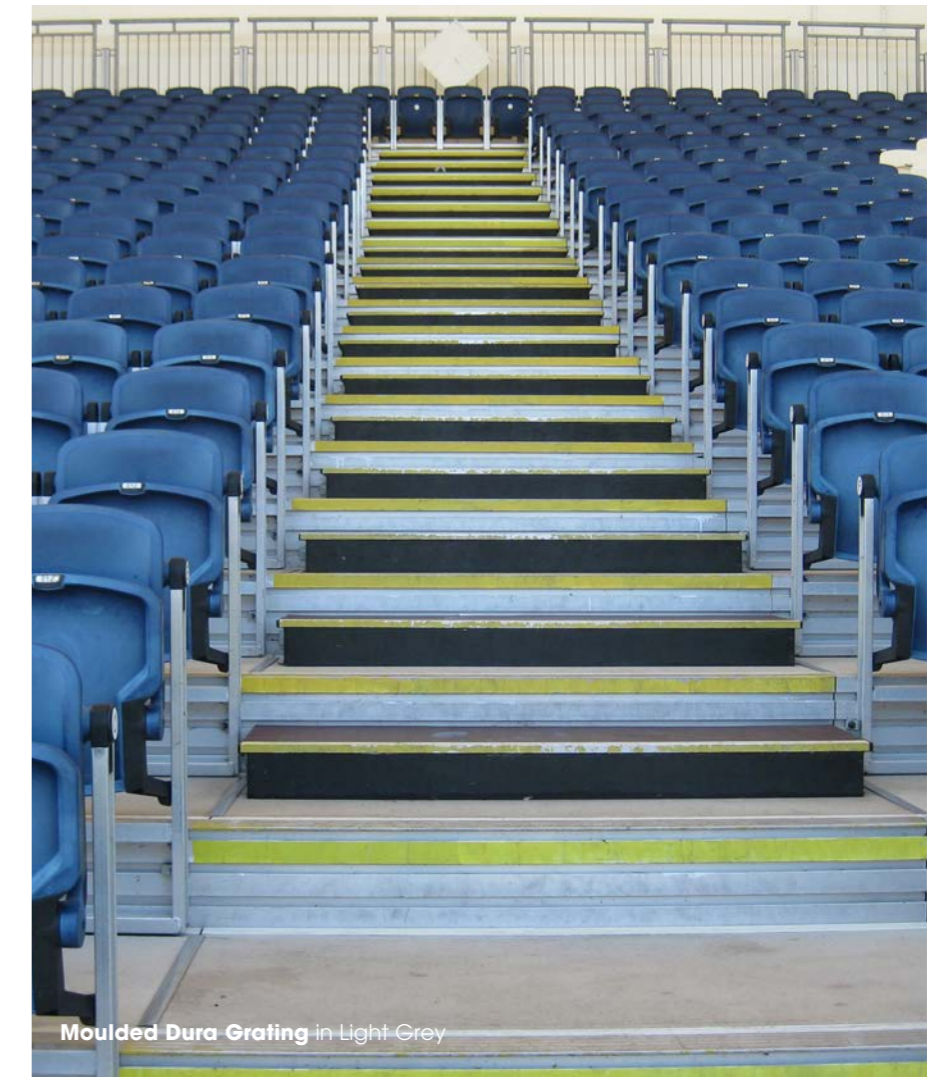
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Stadium & Arena Flooring

We are a leading designer, manufacturer and supplier of lightweight but high strength flooring panels for high footfall pedestrian areas. Made from high-performance Glass Reinforced Polymer (GRP) our unique range of pultruded and moulded flooring panels are ideal for transitional stadium seating areas, concourses, walkways and bridge decks.

Our products provide an anti-slip, fire-rated, load tested and more durable alternative to traditional alternatives such as plywood and are designed to integrate with the most popular seating module systems.

- Extensive range of flooring for demountable, semi-permanent and permanent seating areas.
- High volumes available from stock, plus the ability to design and develop bespoke products with custom tooling.
- In-house load testing and simulations, plus Finite Element Analysis.
- Fabrication services including aluminium edge profiles.
- Specialised CNC machining services.



Moulded Dura Grating in Light Grey

For additional details and technical information please visit www.duracomposites.com or call **+44 (0)1255 440290**.

Please Note: All colour swatches and images shown in this document are intended as a representation only and should not be considered as an exact colour match. We would recommend ordering a colour swatch sample so you can assess colour suitability before placing your order.

Our manufacturing process results in a high level of colour consistency although some variation in colour may be apparent across products from different production batches.

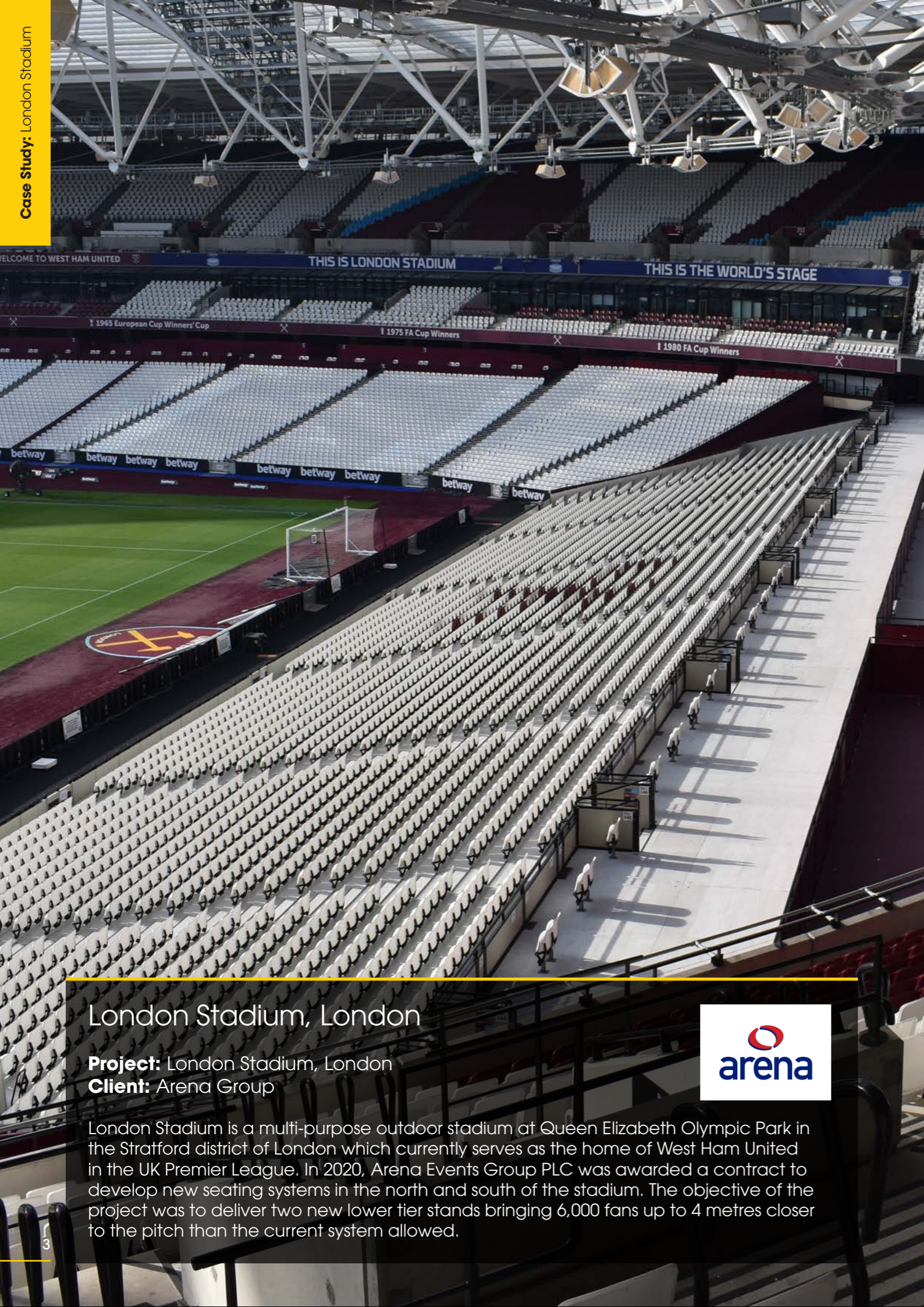
About Us

d²

Discover the d² product range - the next generation of performance-improving composites. Available exclusively from us, d² products feature unique designs, new material technology or manufacturing methods AND deliver class-leading performance.

We help companies of all sizes unlock the power of composites, and our client base includes businesses in the Industrial, Construction, Rail, Transport, Marine, Leisure, and Landscaping sectors.

In 2017 and in 2020, we were awarded the Queen's Award for Enterprise in recognition of our achievements at the forefront of composite material technology. Our products are also available through a well-established global distribution network. Your local distributor can be found on our website.



Increasing Seat Capacity at London's World Class Multi-Use Venue

Arena Events Group chose us to supply the tiered structure stadium decking for the seating and platform areas, manufactured from our high quality and corrosion-resistant Glass Reinforced Polymer (GRP) Dura Slab products which provided an anti-slip, fire-tested and load-tested alternative to the Buffalo® Board and traditional plywood that was in consideration.

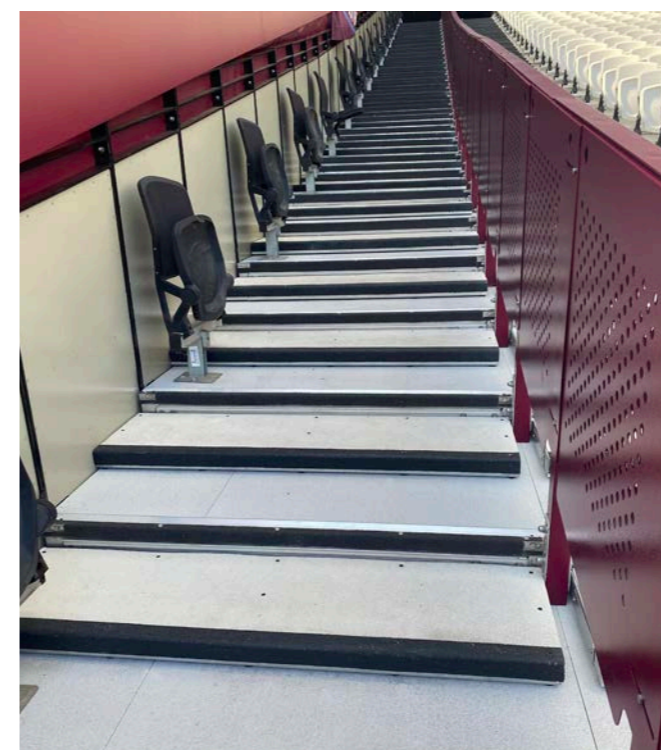
Our ability to be able to meet a range of stringent test requirements including flare resistance tests and FEA analysis made us the ideal choice for this high profile project which not only allows for future changes to seating configurations, but also improves access to amenities on the concourse. The two types of Dura Slab used on this project are precision engineered GRP structural flooring systems that provide an incredible strength to weight ratio. Our high strength fibreglass composite is pultruded in one mass to produce a consistent quality flooring structure that is also non-corrosive, chemically resistant – and has an anti-slip walking surface.

A Bespoke Product Developed to Meet Existing Stadium Design

The project at London Stadium required a seating deck that was able to integrate with the existing stadium design. Thanks to Dura Composites' extensive in-house CAD and Structural Engineering resource, we were able to supply a GRP slab product that could integrate easily with the existing system with minimal disruption, whilst also meeting the required health and safety criteria.

Dura Slab was used throughout the seating structures, the concourse and landing areas. The new stands were also designed to be compatible with rail seating, to allow them to be adapted in future, should there be any changes to Premier League guidelines on safe standing.

- Easily lifted for access
- Anti-slip surface
- Long low maintenance design life
- Fire-rated & non conductive
- Corrosion & impact resistant



London Stadium, London

Project: London Stadium, London
Client: Arena Group



London Stadium is a multi-purpose outdoor stadium at Queen Elizabeth Olympic Park in the Stratford district of London which currently serves as the home of West Ham United in the UK Premier League. In 2020, Arena Events Group PLC was awarded a contract to develop new seating systems in the north and south of the stadium. The objective of the project was to deliver two new lower tier stands bringing 6,000 fans up to 4 metres closer to the pitch than the current system allowed.

Speaking about the project at London Stadium, **Terry Smith, Managing Director of Arena Seating** commented:

“

We've worked closely with Dura Composites on several projects, and we've always been delighted with the quality of its products.

The teams' ability to create bespoke solutions which fit seamlessly with our seating – especially our industry-leading Clearview system – ensures hassle-free installations with minimum disruption.

We look forward to continuing our strong working relationship with Dura Composites on future projects.

”



GRP: A Clever Durable Alternative to Plywood

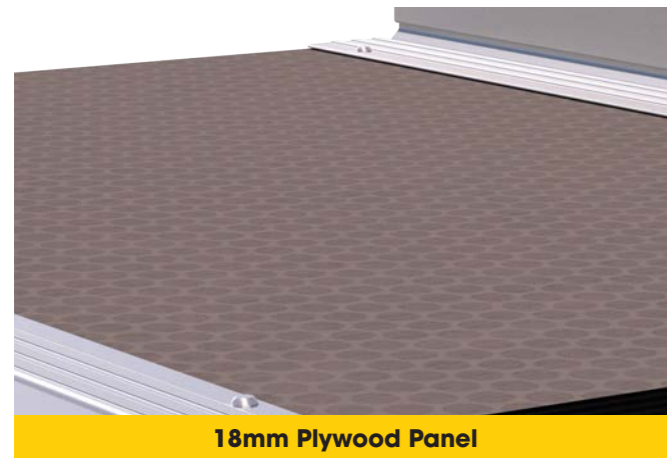
Our high quality and corrosion-resistant Glass Reinforced Polymer (GRP) products provide an anti-slip, fire-tested and load-tested solution for stadiums and arenas that negates the need for the continual replacement cycle that's so common with plywood flooring.

Unlike GRP, plywood is highly susceptible to ingress of water which causes delamination and degradation of the product. The open cell nature of plywood means that water absorption occurs at different rates from panel to panel, making product performance and ultimate failure rates hard to predict.

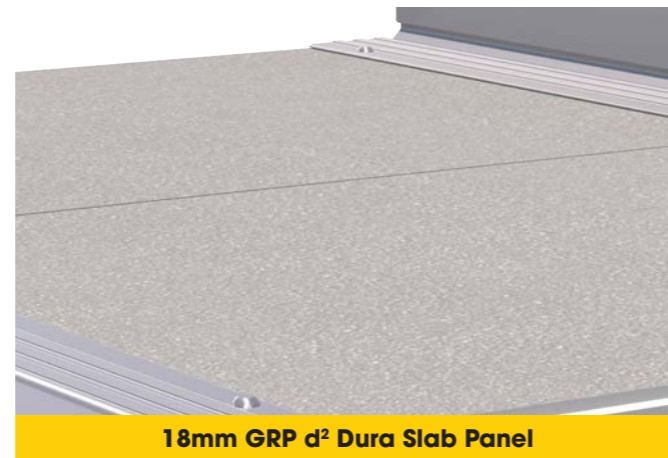
By contrast, our closed-cell GRP is anti-slip and weathers at a consistent rate over its expected 60 year lifecycle without the loss of significant strength. It is workable with standard hand power tools and is perfect for demanding stadium and arena applications where heavy footfalls are common.

We offer pultruded d² Dura Slab and moulded d² Dura Grating products, both of which offer extremely low life cycle costs due to their maintenance-free, corrosion-resistant and impact-resistant characteristics compared with traditional materials.

As shown below, we have designed our latest pultruded products to integrate easily into your existing flooring and walkway module designs, as a direct replacement for plywood.



18mm Plywood Panel

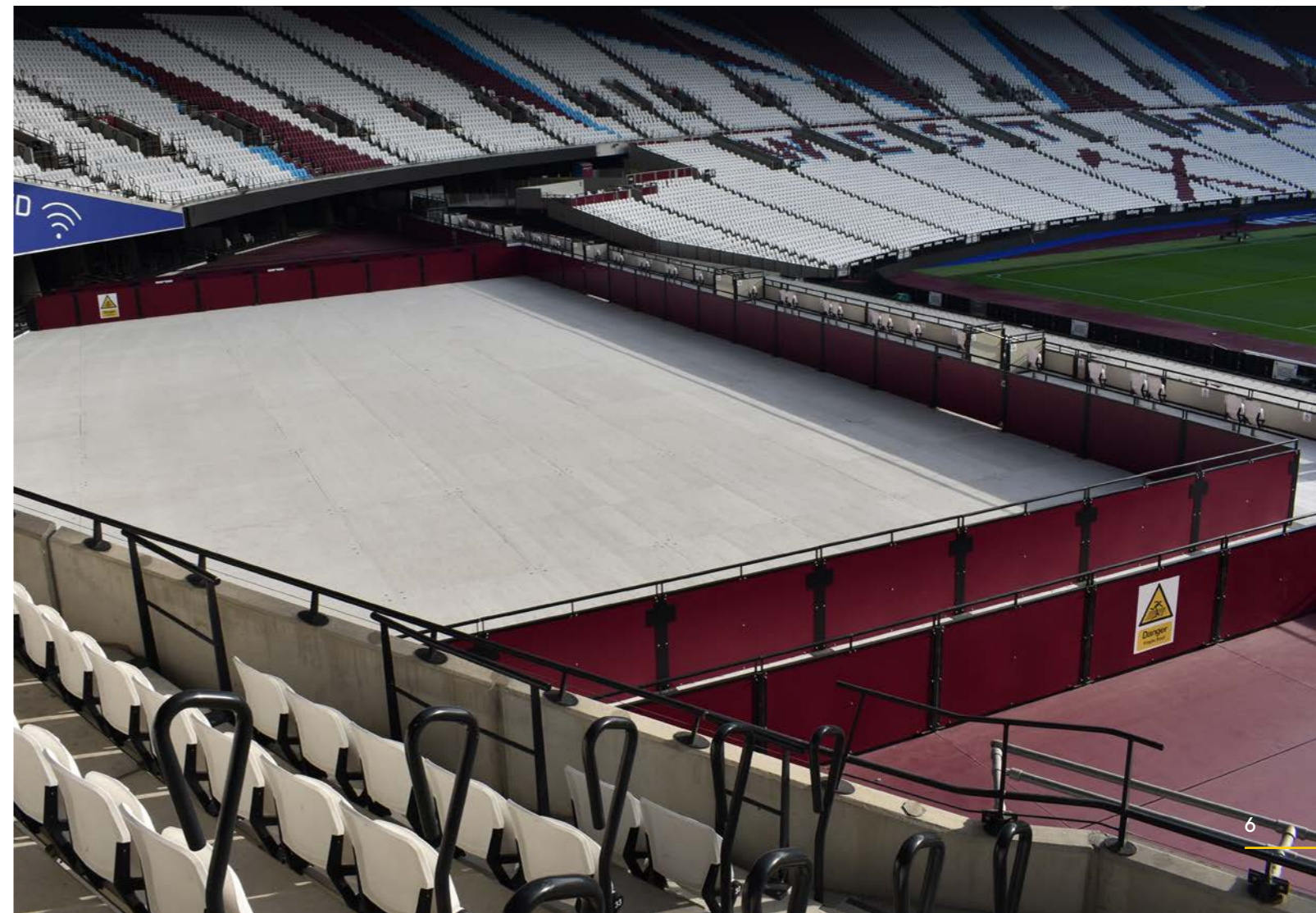
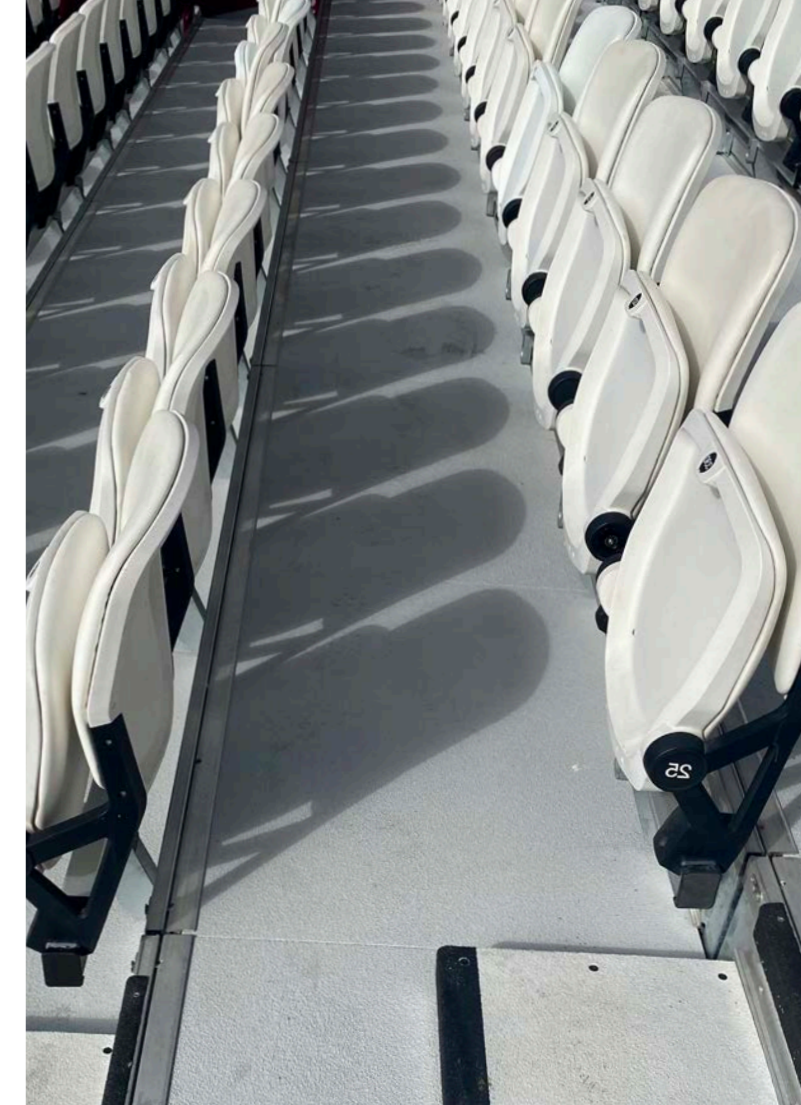
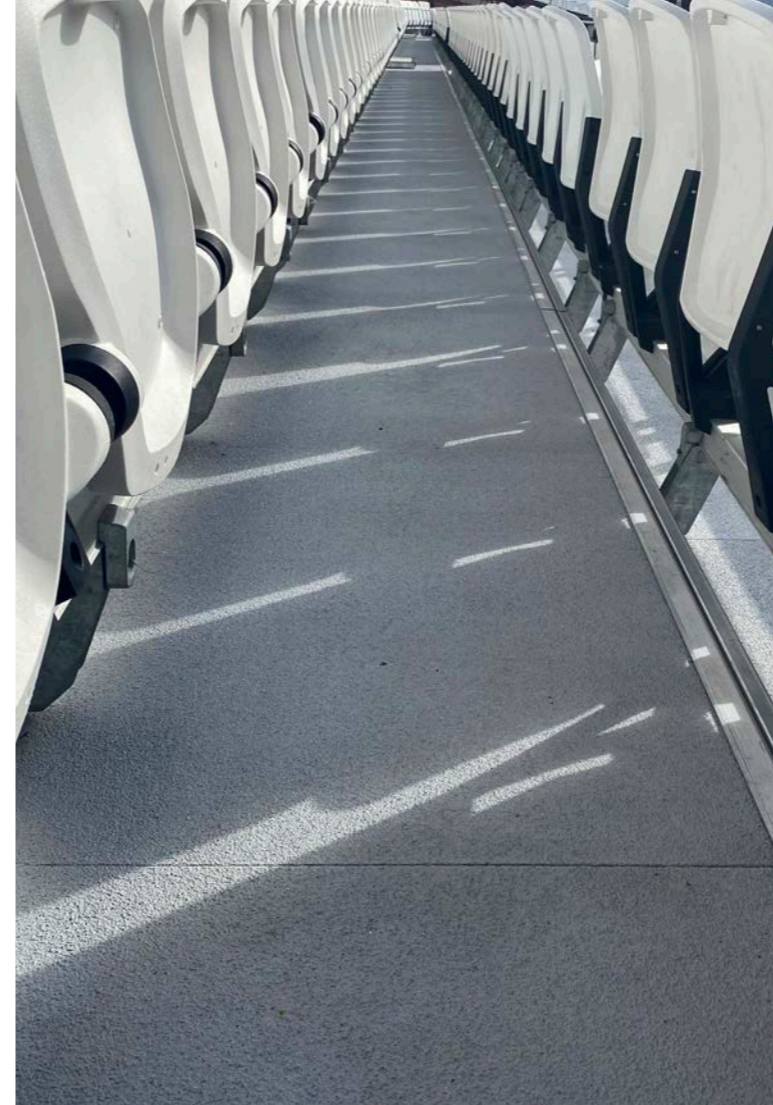


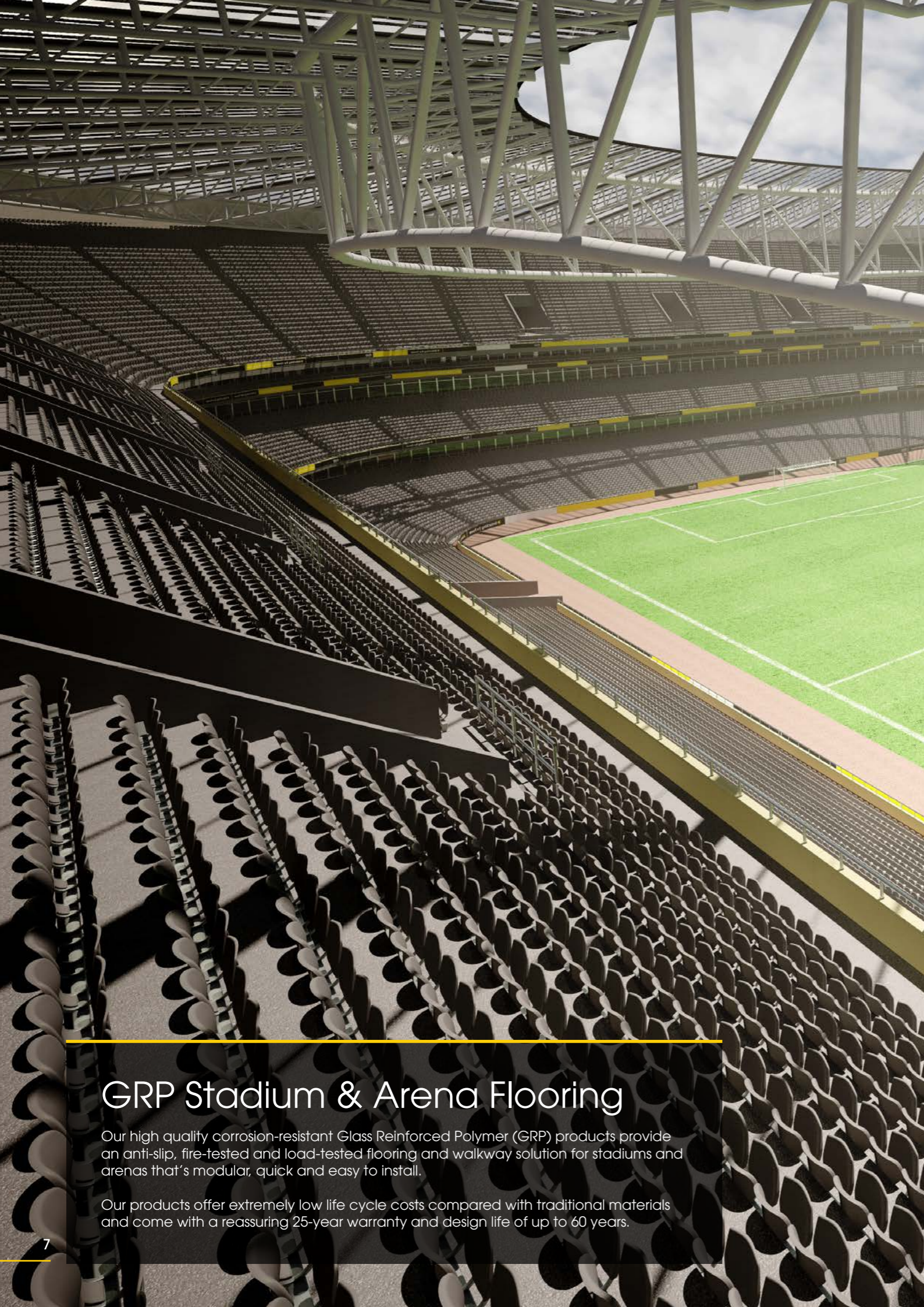
18mm GRP d² Dura Slab Panel

Putting GRP to the Test for Stadium Environments

Our latest GRP innovations are purpose-designed for the stadium and arena market and our products are able to meet a range of stringent testing criteria. If you have a project which requires technical support with specific parameters for seating areas, landing, concourses or decks, we have a comprehensive range of testing information available to ensure maximum safety for your project. Key tests vary by product type, but can include:

- Fire Testing to BS476 Part 7 Class 1
- Fire Testing to EN13501 Bfl-S1
- Anti-slip testing
- Flare Resistance
- Point Load Live Tests
- Pre & Post Flare Test Exposure
- Hot Nut Test to BS4790
- FEA Design Analysis





Seating Areas

Our customers require flexible seating solutions that allow for faster seat reconfigurations between events. We have supplied a range of GRP flooring solutions for large scale venues which comply with the required standards for weight, loading and safety.

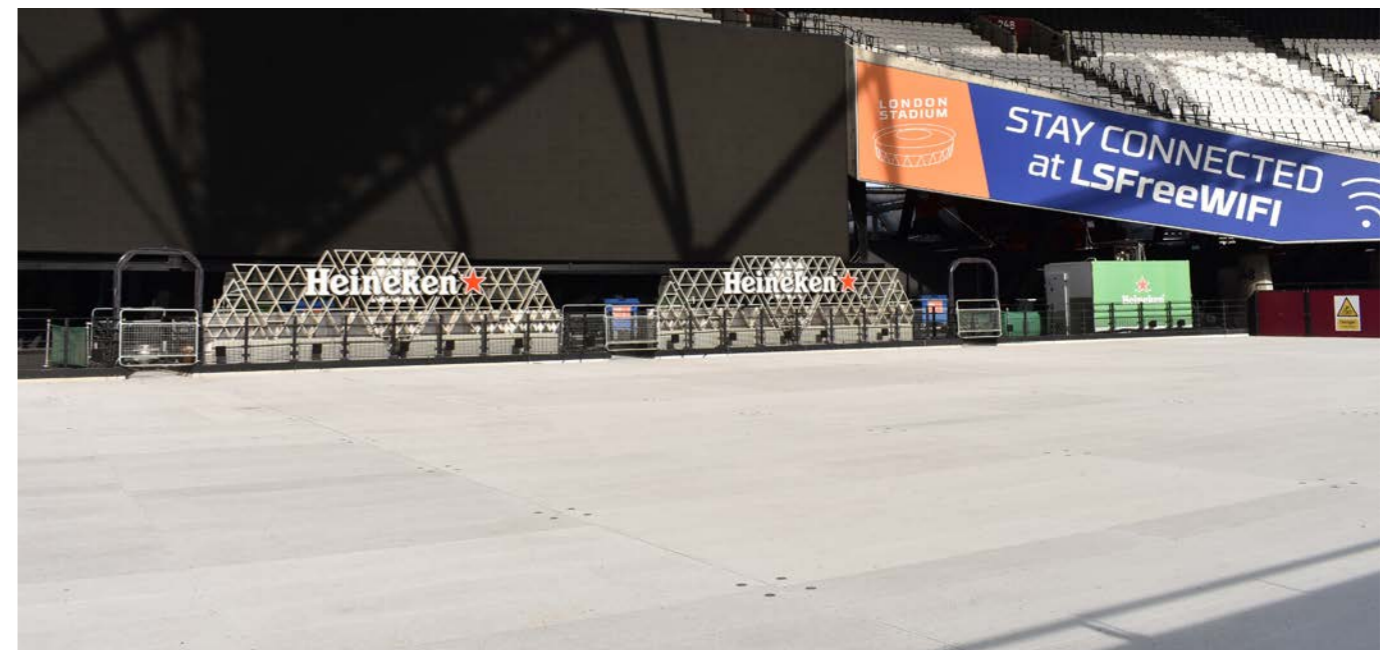
Our most popular solution for seating areas is our 40mm GRP Dura Slab which is lightweight for easy handling during installation but has a high load bearing strength. Movement to and from seats presents an area of significant risk in a stadium environment, however Dura's GRP flooring has a robust anti-slip surface that returns an ultra-low slip potential test result in all directions, in both wet and dry conditions.



Concourse Areas

Due to the high number of visitors at each venue and the need to facilitate a wide range of different sporting and leisure events, concourse areas need to be durable, anti-slip and easy to navigate, as they provide a critical meeting point for foot traffic from multiple directions.

The image below shows our light grey GRP Dura Slab panels installed in a concourse area at a major London stadium venue. Capable of handling extremely high levels of foot traffic, the pultruded panels come in a range of different thicknesses which can be cut or shaped to accept the client's preferred substrate and fixing method.



GRP Stadium & Arena Flooring

Our high quality corrosion-resistant Glass Reinforced Polymer (GRP) products provide an anti-slip, fire-tested and load-tested flooring and walkway solution for stadiums and arenas that's modular, quick and easy to install.

Our products offer extremely low life cycle costs compared with traditional materials and come with a reassuring 25-year warranty and design life of up to 60 years.

Easy Integration Between Our GRP & Your Existing Systems

Working with your site design team, we are able to provide flooring solutions that integrate with your existing structural profiles. The examples below show how pultruded Dura Slab or moulded Dura Grating panels can be used with both Edged and Non-Edged Profiles.

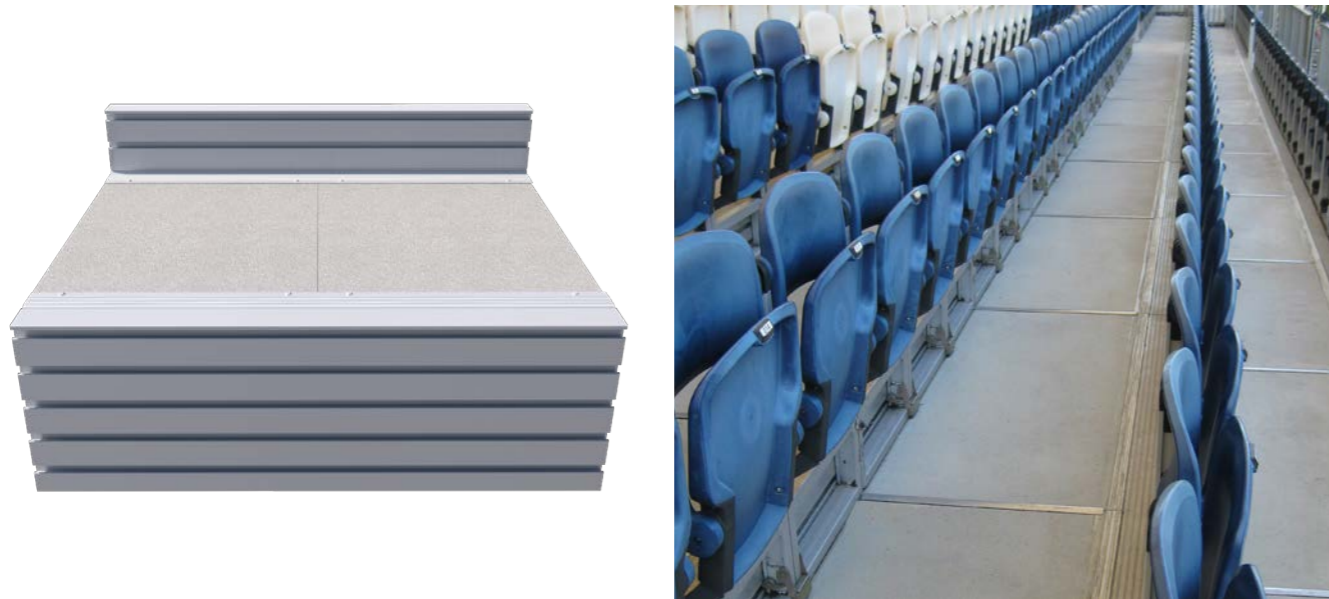
If the seating element of your project requires completely bespoke edging profiles to lock into the chosen structure's frame, we can also design, manufacture and supply these along with full CAD and technical specifications.

Seating Solutions

We have supplied several projects where GRP has been determined as a favourable alternative to Plywood thanks to its ability to integrate into a range of seating structure designs. The below solutions can use either of our Moulded or Pultruded GRP products.

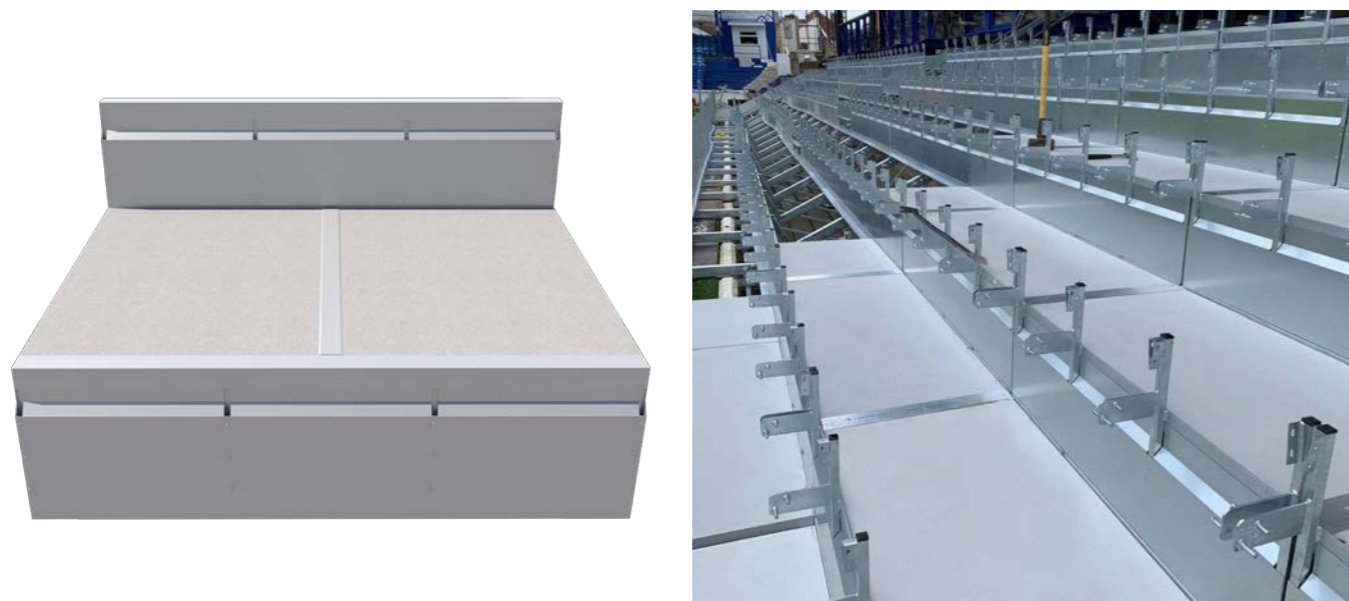
Edged Profiles

Edged Profiles can be pre-fabricated onto our GRP panels to allow for a quick and seamless installation.



Non-Edged Profiles

Non-Edged solutions do not require any pre-assembly or fabrication which reduces both lead time and cost if the seating design is able to accommodate a non-edged solution.

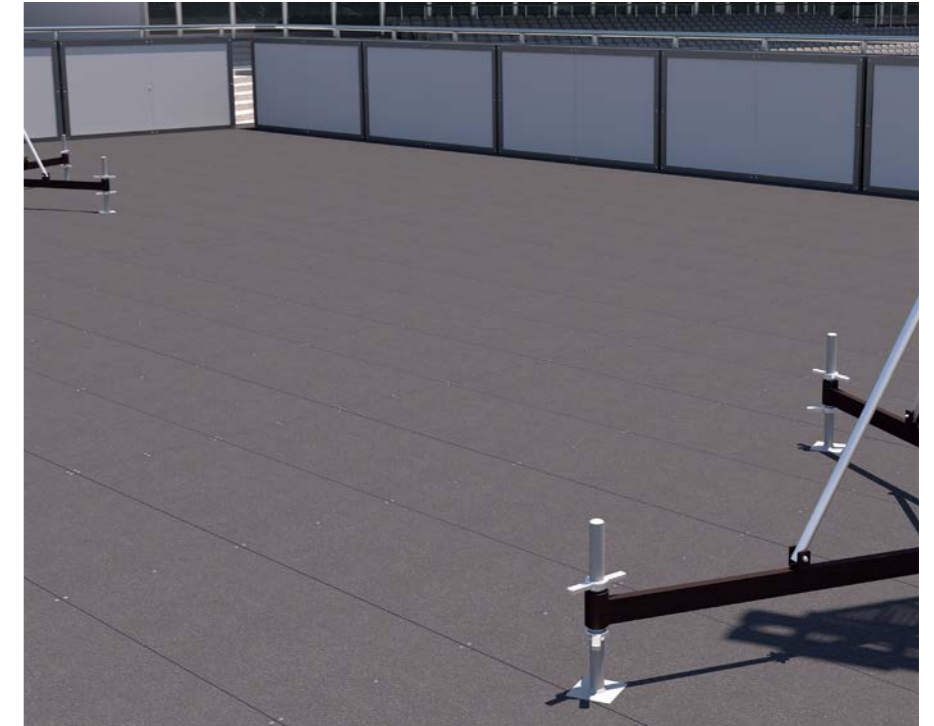
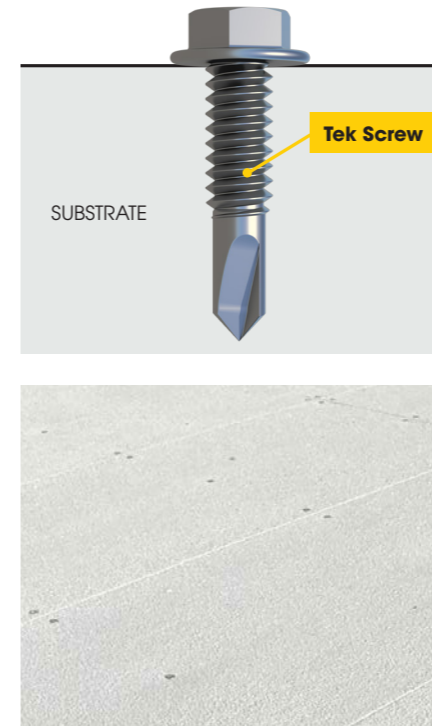


Concourse Solutions

We have supplied several projects where heavy duty concourse walkway surfaces were required to integrate with the client's choice of standard frame substructure and fixing methods.

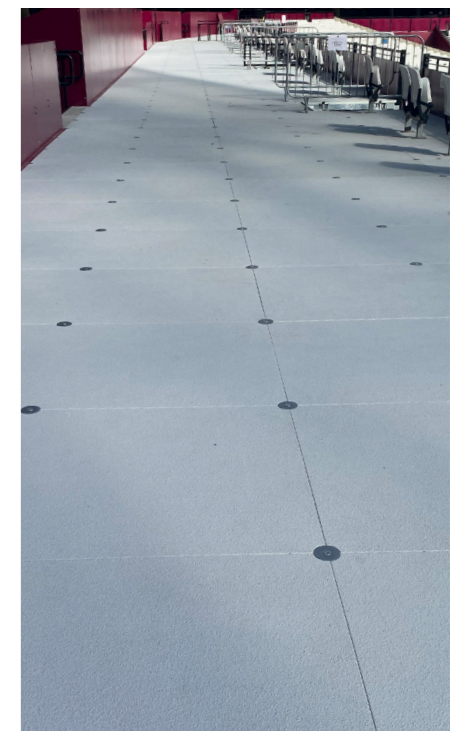
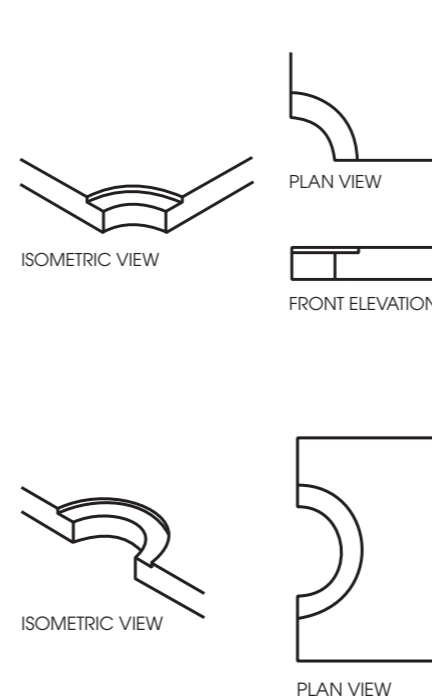
Tek Screw Fixings

If there is no pre-determined fixings system within the substructure, then a tek screw fixing system may be the right choice for your project.



Routed Fixings

If the underlying frame structure has a pre-determined fixing type, our in-house CNC experts can pre-cut or router each fixing position for ease of install on site.



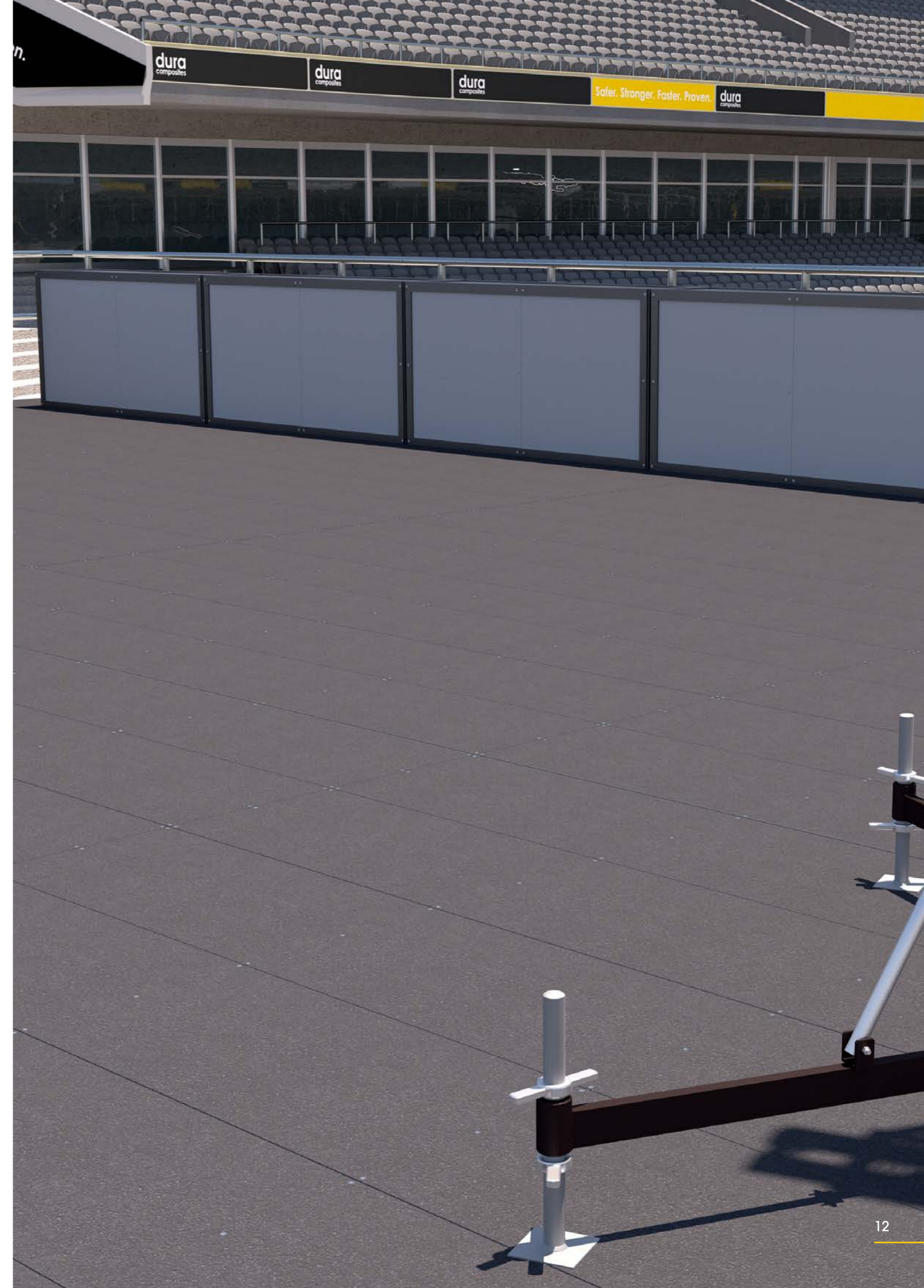
Product Selector (Moulded vs Pultruded)

We employ two main processes for the production of our GRP walkway solutions - moulding and pultrusion. Both processes use a combination of resin and pure glass fibres to produce 'thermoset' products, which when fully cured; are stable and cannot be re-shaped other than by machine processes.

Moulded panels (d² Dura Grating) are formed of a single piece construction with bi-directional load-bearing properties, whilst pultruded panels (d² Dura Slab) offer higher strength properties which are uni-directional.

The product selector below will allow you to discover and compare which of our products are most suited to your application based on individual needs and specifications. It also gives a brief comparison versus plywood.

	Plywood	GRP		Notes
		Moulded (d ² Dura Grating)	Pultruded (Dura Slab)	
Bespoke Manufacture Options	X	✓	✓	We know how important speed is within the Stadium and Arena industry, and how seasonality can impact your project schedules. We hold vast UK stocks, but if your project requires a bespoke product, you might like to know that our pultruded walkway panels are faster to manufacture than moulded products.
Purchase Price	✓	X	X	Whilst Plywood may have a lower initial purchase price, its continual replacement and maintenance cycle adds major cost to your project versus GRP with its long design-life.
Sustainability + Life Cycle Cost	X	✓	✓	GRP is widely acknowledged as a material that has a superb lifecycle versus conventional materials. Our embodied carbon values for our moulded and pultruded GRP range are publicly available to help during the planning, materials selection, design, construction and long-term management of your infrastructure.
Convenient Panel Size	✓	✓	X	Moulded GRP and Plywood both work well with existing seating modules, with approx. 1.5m (3 Seats) to each piece. If using pultruded you'll need to factor in the need for edge profiles or another way to join panels together.
Panel Flatness	X	X	✓	Pultruded panels tend to be flatter and do not require special fixing designs to enable them to lay flat. Moulded panels may require additional works to ensure a completely level finished floor surface.
Panel Join	X	X	✓	Both Plywood and Moulded GRP will need an added support trim to ensure no edge deflection occurs at panel abutment. Pultruded panels do not require a joining support trim.
Life Span	X	✓	✓	In a stadium environment, our clients regularly tell us that they are replacing degraded Plywood every 3 years. By contrast, our GRP is offered with a 25 year warranty.
Safety	X	✓	✓	GRP is known for its superior anti-slip performance over Plywood. One of the major issues with Plywood safety is that if the boards are coated with phenolic resin, it is difficult to tell from the top if they are deteriorating.
Deflection	X	✓	✓	GRP feels safer underfoot as it tends to have lower levels of deflection and has excellent deflection memory.
Weight	✓	✓	✓	GRP is a lightweight yet incredibly strong composite material which offers superior longevity vs. Plywood in this application.
Fire	✓	✓	✓	Our GRP has a Class B fl fire rating and our pultruded panels have also been subjected to official flare and hot nut testing, unlike Plywood. The fire-resistance of ply is dependant on the life span of its coating.
Load Efficiency	X	✓	✓	Although Plywood may have a similar load performance when freshly manufactured, it can quickly deteriorate. Our moulded panels (d ² Dura Grating) are formed of a single piece construction with bi-directional load-bearing properties, whilst pultruded panels (d ² Dura Slab) offers higher strength properties which are uni-directional. Load and deflection data is available at www.powerofcomposites.com .





Ancillary Systems

Our GRP is incredibly versatile and easy to work with and can be adapted in a range of ways including those shown in the following solutions.

Grit Free Edges

We can supply panels with edge grit removed to facilitate smoother connections for both edged and non-edged profile systems.

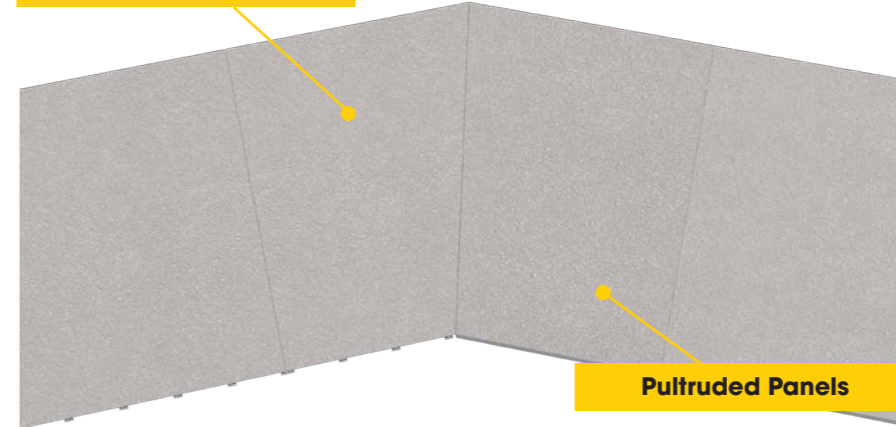


Facet Panels

Our GRP panels can be custom cut to suit any stadium configuration including awkward curvatures and architectural features. Both Dura Grating moulded panels and Dura Slab pultruded panels can be adapted to suit the desired direction changes of flooring or walkways.

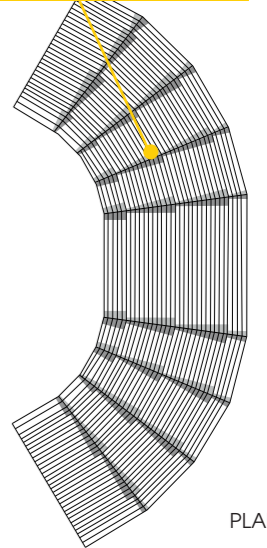
Chamfer Cut Examples For GRP Panels

Moulded Panels



Pultruded Panels

Cut Panel Locations



PLAN VIEW

Stair Solutions

Where accessibility requirements between levels require half steps, we can supply a range of different stair treads with contrasting downturned nosings.





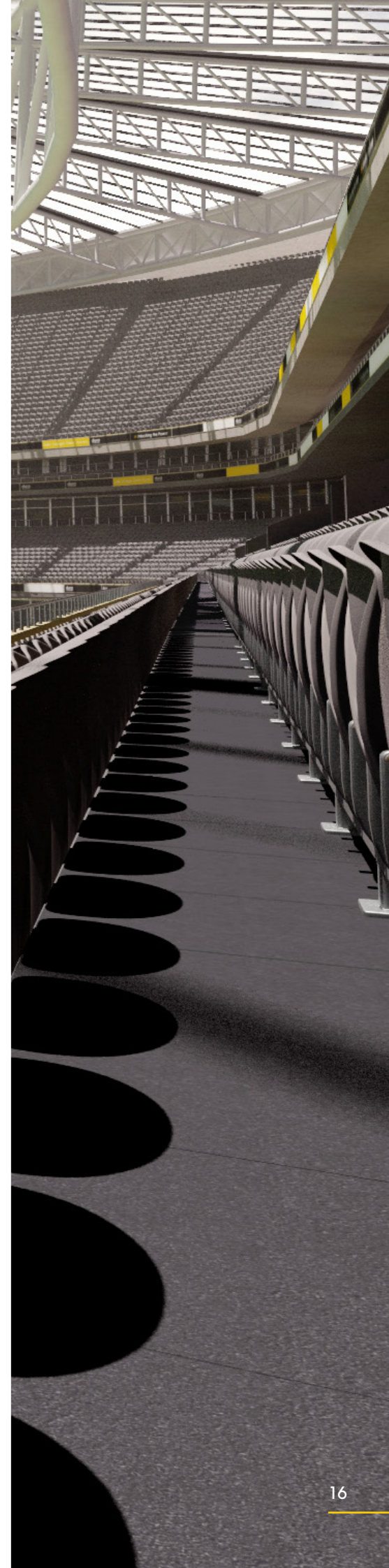
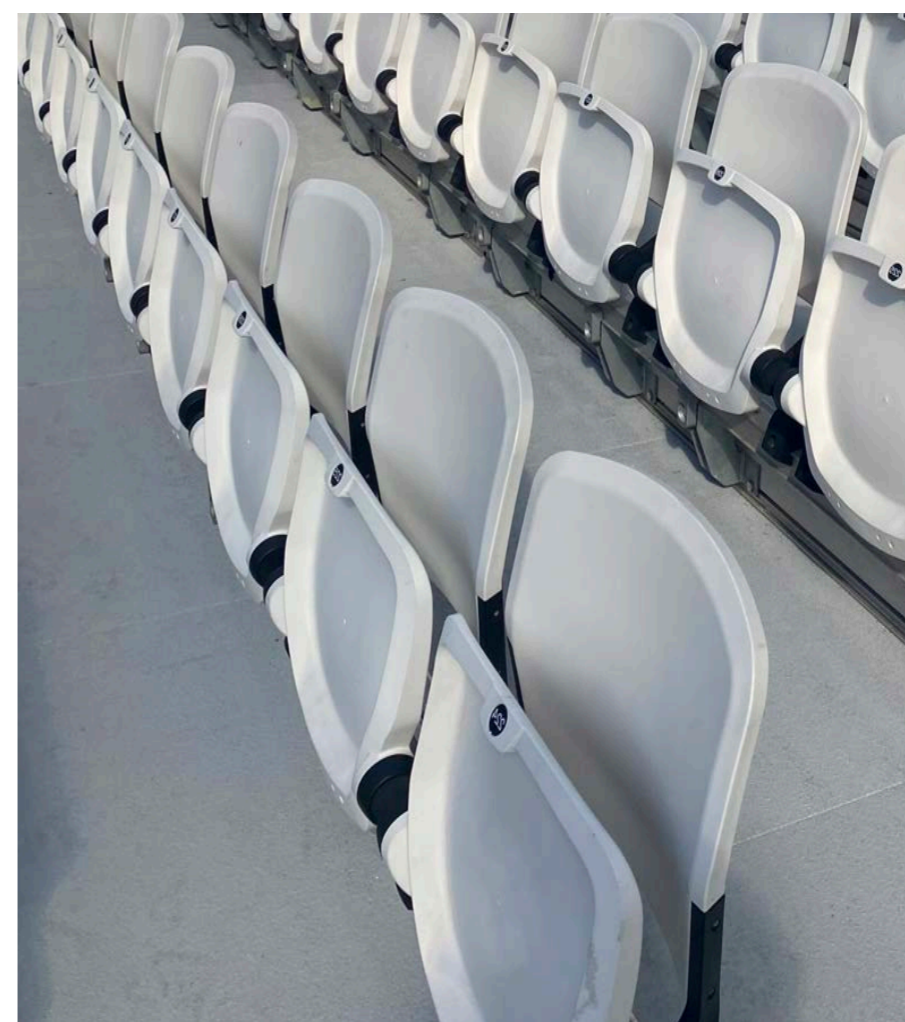
d² Dura Grating

d² Dura Grating is designed, developed and available exclusively from Dura Composites. Manufactured for maximum performance, it achieves an industry-leading Class B fire rating according to BS EN 13501-1.

For stadium environments, our Solid Top Grating has exceptional breaking strength under lateral force. The uni-directional continuous fibreglass reinforcement offers numerous advantages including rigidity, shock resistance, with no permanent deformation after overloading. These factors provide excellent mechanical strength and safety in high traffic environments.

d² Dura Grating Solid Top is available in Dark Grey and Light Grey. See the below table for our available thicknesses. For more information on the full range of Standard Mesh, Mini Mesh, Micro Mesh and Solid Top grating please refer to the d² Dura Grating Brochure.

Product Type	Standard Compliance	Length (mm)	Width (mm)	Panel Weight (kg/sq)	Solution Image
d ² Dura Grating Solid Top (Moulded Solutions)					
29	BS 6399-1:1996 C2 & C5 EN 124 Class A	3043	993	16.7	
		3699	1239		
41		3054	996	21.1	
		3663	1224		
53		3052	1057	22.9	
		3682	1267		



Our Products

Through a combination of design, technology and manufacturing innovations, we have developed a distinct range of walkway flooring, trench covers, structural profiles, hand-railing, access structures and related solutions, known as the d² range.

The innovative weight-reducing designs of d² reduce on-site logistics requirements, such as the need for movement by plant, in turn helping to reduce the carbon impact on the environment. The products also offer a combination of future-proof fire resistance, anti-corrosion, chemical resistance and anti-slip gritted surfaces. These features help to reduce contractors' build and through-life maintenance costs, whilst ensuring that end customers benefit from enhanced safety and accessibility.



Dura Slab

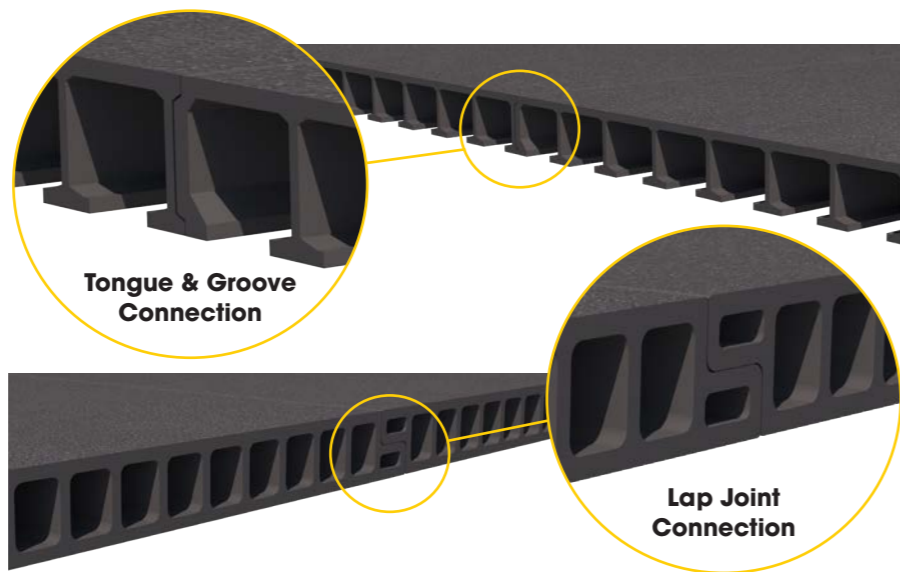
We are experts in the design, manufacture and supply of heavy-duty floor slabs. Our Glass Reinforced Polymer (GRP) Dura Slab panels offer a low maintenance, durable and simple to install composite alternative to heavy & cumbersome concrete flooring or short-life Plywood.

With an innovative design that can include either manual lifting eyes or mechanical lifting arms, Dura Slab has an excellent strength to weight ratio. When used as seating or concourse flooring, its lightweight nature means routine inspections of the substructure can be made easily.

Dura Slab Connections

We offer two connection types; Dura Slab Open has a tongue and groove connection suited to narrower spans or pedestrian loading and Dura Slab Closed has a lap joint solution catering for vehicular loads and wide spans.

When used for seating areas and concourses, our pultruded Dura Slab panels require no additional trim system in order to restrict edge deflection.



Dura Slab Open (Pultruded Solution)

Product Type	Standard Compliance	Length (mm)	Width (mm)	Panel Weight (kg)	Solution Image
18	BS 6399-1:1996 C2 & C5	3660	600	30	
20			502	23	
30			508	24	
40 (28kg)			500	28	
40 (31kg)				31	
40 (64kg)			1037.5	64	

Please note some products shown in the above table may be subject to special conditions or extended lead times. Please consult your Dura Composites Representative.

Orthophthalic resin as standard.
Available in Isophthalic resin by special order only. MOQ applies.



Dura Slab Closed (Pultruded Solution)

Product Type	Standard Compliance	Length (mm)	Width (mm)	Panel Weight (kg)	Image
45	BS 6399-1:1996 C2 & C5 EN 124 Class A	3660	725	67	
50	BS 6399-1:1996 C2 & C5 EN 124 Class B	3660	500	72	
75	BS 6399-1:1996 C2 & C5 EN 124 Class C	3800	650	135	
100 (Easy Lift)	BS 6399-1:1996 C2 & C5 EN 124 Class B	6000	375	67	
100	BS 6399-1:1996 C2 & C5 EN 124 Class C	2800	650	142	

Orthophthalic resin as standard.
Available in Isophthalic resin by special order only. MOQ applies.





Wide Span Walkways/Sky Walks

We have an extensive product portfolio which caters for a vast range of different applications, including walkways and skywalks where large spans are required.



Trench Covers

For maintenance areas and areas housing data cabling and services, we offer both moulded and pultruded open mesh and Solid Top GRP Trench Covers, Trough Covers and drawpit lids with excellent strength-to-weight ratio and non-conductive properties.

For more information, take a look at our GRP Cable Trough & Trench Cover Lids Brochure.



Other GRP Solutions

Suitable for an incredibly diverse range of requirements in recreational public infrastructure. Our GRP is strong, lightweight, weather and corrosion resistant. Our highly experienced technical team bring a depth of knowledge to large infrastructure projects as well as the use of GRP in the facilities management of both public and maintenance areas to provide a safe working environment and safe pedestrian traffic areas.

d² Dura Structural Stair Treads

Dura Slab Structural Stair Treads and Landings are designed as a modular Dura Slab Structural Stair Treads incorporate a number of ground-breaking features. Their single unit construction speeds up install times, reducing costs and limiting disruption to end users. They are made from our pultruded GRP and are lightweight, high strength, anti-slip, non-corrosive and non-conductive.

Designed for use on footbridges and staircases, they overcome all of the problems normally associated with the use of traditional materials such as wood. Whilst timber treads need regular refurbishment as they are prone to rotting which compromises the structure and provides potential "slip or trip" risks for pedestrians, our GRP treads are safe, easy to work with and low maintenance.

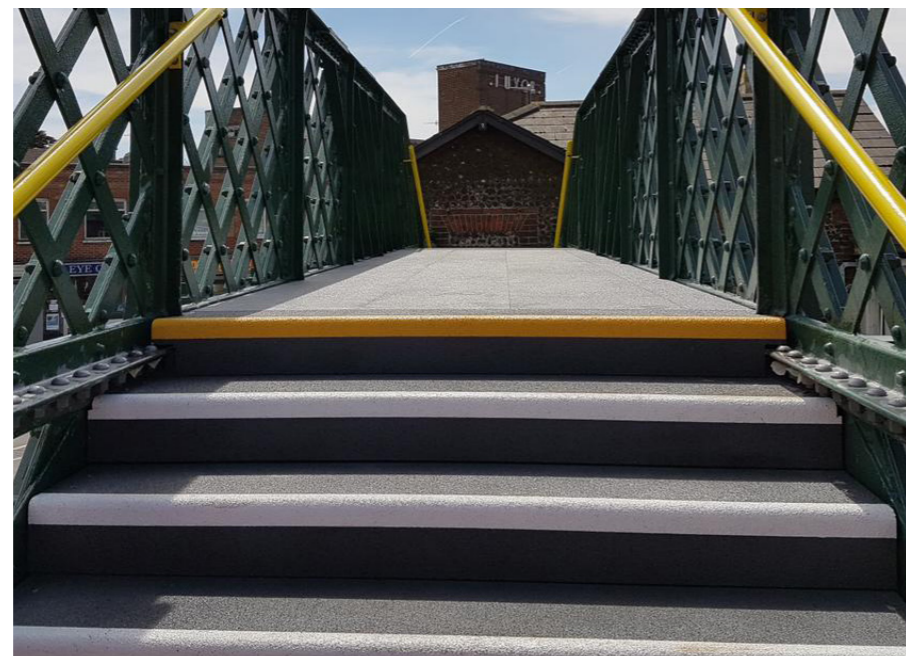
Where previous composite treads on the market have been limited in span capabilities, Dura Composites can span up to 2.1m clear open span, achieving the required 5kN/m² at L/200 deflection, meaning that additional supports can be avoided in most scenarios.

Hidden fixings minimise trip hazards and provide an aesthetically pleasing finish, whilst the in-built risers act as debris shield. Added spine supports can enable greater spans with minimal deflection. Also included is a very slight fall to assist in the prevention of water pooling which can lead to problems with ice in the winter months. No heavy lifting equipment is needed as all panels can be easily manhandled even in full stock lengths.



Structural Stair Treads

Half Step Stair Treads



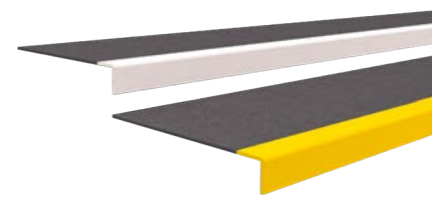
Product	Length (mm)	Width (mm)	Thickness (mm)	Panel Weight (kg)	Colours
Structural Stair Tread	320	4020	65	58.29	Yellow, White

Isophthalic resin as standard.
Available in Orthophthalic resin by special order only, MOQ applies.

GRP Stair Tread Covers

We offer a range of Dura Tread non-structural stair tread covers, gritted plates and stair nosing strips, which provide quick and cost-effective solutions to improving safety in potential slip hazard areas where the underlying structure is sound. Dura Tread covers are easy to install to existing concrete, wood or steel stair treads using a mechanical stainless steel fixing or general purpose adhesive to provide a highly visible, robust and durable slip resistant walking surface.

- Available in full lengths for ease of use.
- 3660mm long x 345mm wide.



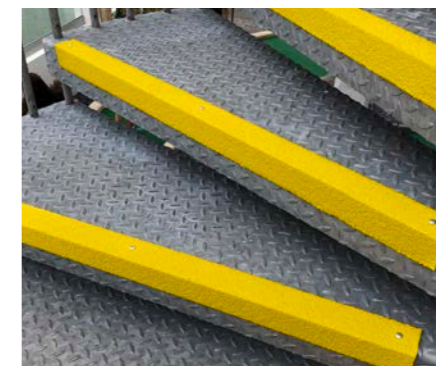
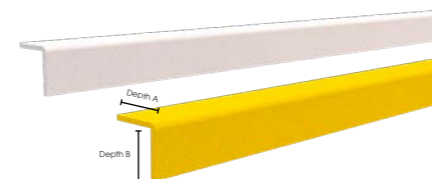
Product	Length (mm)	Width (mm)	Thickness (mm)	Panel Weight (kg)	Colours
Stair Tread Covers	3660	345	5	14.63	Yellow, White

Isophthalic resin as standard.
Available in Orthophthalic resin by special order only, MOQ applies.

GRP Nosing Strips

Dura Tread Nosing Strips can be applied to a variety of stair tread materials such as concrete, wood, chequer plate or GRP grating to help mitigate the risk of slipping, tripping and falling. Quick and easy to install, Dura Tread Nosing Strips have a tough anti-slip gritted surface and are available in both Yellow and White to maximise visibility of the stair edge.

- Available in full lengths for ease of use.
- 3660mm long x 55mm x 55mm depth.



Product	Length (mm)	Depth A (mm)	Depth B (mm)	Thickness (mm)	Panel Weight (kg)	Colours
Dura Slab Structural Stair Tread						
Nosing Strips	3660	55	55	4	2.57	Yellow, White

Isophthalic resin as standard.
Available in Orthophthalic resin by special order only, MOQ applies.



d² Safer. Stronger. Faster. Proven.

Through our unrivalled design, technology and manufacturing innovations we have developed a unique range of products that can't be found anywhere else and are ideal for countless heavy duty applications such as walkways, ramps, service risers, trench covers, fencing, screening and for use within access structures.

Here's why we're different:

Safer.

GRP products have unique properties to boost safety including;

- Fire rated to Class B* in accordance with BS EN 13501.
- Gritted anti-slip surfaces proven to last (maintains up to 95% of its anti-slip performance even after an incredible 1 million footfalls).

*excluding 23mm mini and micro mesh which achieves Class C.

Stronger.

d² GRP products have an outstanding performance-to-weight ratio, meaning;

- Lighter or smaller products can be used to reduce project scale and are safer to transport, install and lift than other products on the market.
- Because it's up to 33% lighter than other GRP, d² Dura Grating puts less stress on the substructure.
- Whatever load and deflection you're working to, we can show you which product combination will be the strongest and most cost-efficient for your project.

Faster.

d² products can be deployed rapidly to increase productivity and project efficiency;

- Up to 33% lighter products help you adhere to guidance on manual handling using less people.
- e.g. d² Dura Grating 38mm weighs just 40kg versus the competitors 60kg, so unlike others is suitable for a 2-man lift.
- Our unique designs and clever packaging reduce on-site logistics requirements such as the need for movement by plant.
- We maintain a vast stock inventory so we can deliver fast - with all sizes, thicknesses and colours held as stock for immediate call-off or vesting.

Proven.

We make our material science knowledge freely available online so you can conveniently see how d² products perform in place of steel or wood - based on fact.

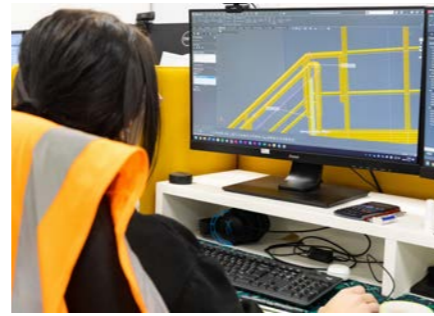
- d² products are proven to significantly reduce contractors' build and through-life maintenance costs.
- Our in-house services include design, live load testing and FEA, so we can prove something will work before we supply it.
- We can support with structural design optimisation and failure analysis to help reduce time and costs, whilst improving safety.

Value Added Services

CAD

Our Computer Aided Design (CAD) team use a variety of software including Inventor, Solidworks, Revit, 3Ds Max, Autocad and Navisworks to turn your ideas into reality. Working closely with the fabrication team, they can analyse, design and create bespoke fabrications tailored to your needs. Throughout the project they will be on hand to support you as you need them.

Using our CAD team can highlight any mistakes or clashes early on in the design phase and eliminate them before moving to the fabrication or installation phase.



CAE

Our computer-aided engineering services utilise a range of analysis tools to simulate the effects of different conditions on our composite products and structures using multiple simulated loads and constraints.

Our CAE tools are also used to analyse and optimise the designs created within CAD software.



FEA

If you need structural efficiency gains in your designs we can make it happen using verification and analysis tools such as Finite Element Analysis (FEA). Our in-house Structural Engineering Team can support you with design optimisation and failure analysis to analyse the strength of complex structures and systems, determine individual component behaviour, and accurately predict how sections will react under structural and thermal loads.

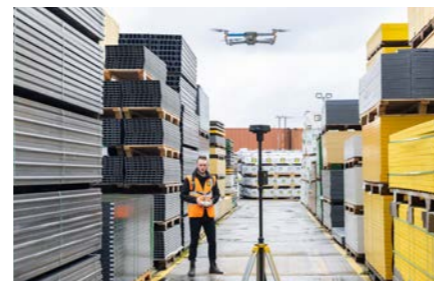
3D Laser Scanning

Our 3D laser scanning service uses the latest in area scanning technologies to create an exact 3D replica of your project site or premises. This can then be utilised by either Dura Composites' in-house designers to recreate your site specific requirements, or passed to your own internal team.



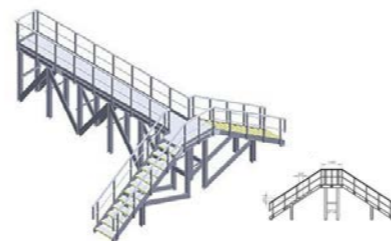
Site Surveys

Our experienced team are available to attend site surveys to assess the detailed requirements of your fabrication project and to supplement and verify the site information provided as part of the initial client brief. Initial site surveys for particularly tricky or challenging locations can be supplemented with our 3D laser scanning service to create exact measurements.



Fabrication Drawings

To turn designs into reality once the design is approved, we produce a set of detailed fabrication drawings. These ensure that each component part is assembled efficiently, cost effectively and to the required performance criteria.





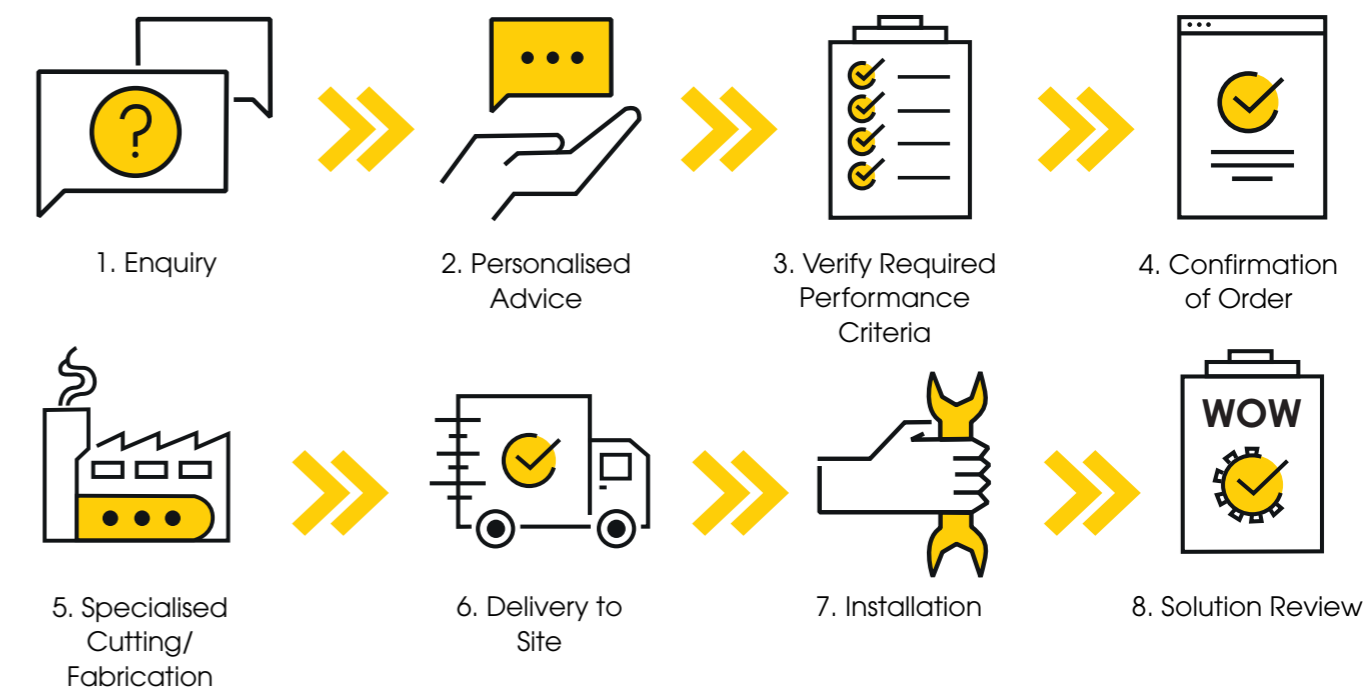
Let Dura Composites Unlock the Power of Composites for Your Next Project >>

Dura Composites is one of the world's leading suppliers of composite materials.

Here are a few great reasons to work with us:

- 1 Unique products backed up by demonstrably better specification**
 - We can help support your design services across all phases of the project lifecycle by providing detailed technical specifications for our award-winning product range.
 - Our live load testing data is available within our searchable Online Product Selector database to help you make decisions based on real data to ensure maximum safety for your project.
- 2 We only offer the right solution**
 - We believe that decisions on which products to use should be based on facts, not guesses or theories.
 - Whatever your scenario, you can be confident that we'll help ensure your project will meet the load performance and specification needed, otherwise we won't supply it!
- 3 25 Years of Multi-Industry Expertise**
 - We've had a reputation as leaders in innovation for a quarter of a century and take a collaborative approach to working with our Public and Private sector clients. We were awarded the prestigious Queen's Awards for Enterprise in 2017 and 2020 in recognition of our success in growing and championing the use of composite materials across the globe.
 - Our added value services include in-house CAD and Structural Engineering teams who can be utilised both for stand-alone design and as part of larger integrated design scheme.
 - Our specialist cutting and fabrication teams offer a full range of services to ensure you can install with confidence.

Your process with us at Dura:



Make Data-Driven Decisions

This brand-new online tool helps unlock the world of composite products for a vast range of architects, engineers, project managers and designers. The result of years of extensive research and rigorous live and simulated testing, the online Interactive Product Selector is available now at www.powerofcomposites.com to help those within the civils and asset management industries make fast and accurate decisions about the right product specification for their projects.

How to Unlock the Power of Composites for Your Business?

Users can compare products across the Dura Composites range with the click of a button, with easy to interpret graphs collated into a single view. BIM data files which feature product information can also be downloaded from the tool, allowing architects and specifiers to streamline the design, build and maintenance process to save time and money.

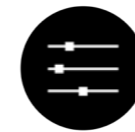
Once a range of suitable products have been identified, detailed product information can be accessed immediately such as drawings, dimensions, load tables and graphs unique to these products. The selected span and load criteria can be downloaded into a neat professional document for analysis and approval.

*Excludes 23mm Micro and Mini Mesh which have a Class C fire rating as standard.



What does the Site Feature?

Say goodbye to lengthy technical datasheets, protracted quotes, and sub-par results. Welcome to the future of composite grating. With this one, seamless tool, you are able to input your precise requirements and receive a bespoke GRP grating product recommendation to match, complete with market-leading data feedback so you can see the difference for yourself.



GRP Grating Selection Tool

Create a list of grating products that meet your exacting criteria. Adjust the Load, Deflection and Fire Rating parameters accordingly; export detailed information such as Product Variations, Product Dimensions and Full Bar Guide.



Create Bespoke Grating Load/Deflection Tables and Graphs

Select product and options to display customised information in downloadable assets to back up your specification. Adjust the load and span range and interval to create your very own dynamic load and deflection table.



Grating Comparison Graphs

Compare the performance of grating panels against one another using a graphical format. Set Load Type between Point Load (PL) and Uniformly Distributed Load (UDL) then select an unlimited amount of products to compare.



Profile Selector

Understand the performance of GRP profiles in comparison to traditional materials, for example using GRP instead of timber, steel or aluminium. Understand the specification and suitability of a product based on your intended application.



Material Properties

The material data reported has been compiled to allow engineers and specifiers to quantify the material properties with those contained within specifications.



Property Comparison

A visualisation of the difference between various properties for traditional materials versus our products. The values quoted are for representation only and are typical within the range of values for the given material.

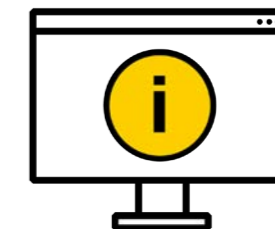
So what are you waiting for? Unlock the Power of Composites and discover the Dura difference for yourself.



1. Register



2. Insert Specifications



3. Get Product Recommendations



4. Download Technical Data

Visit www.duracomposites.com/powerofcomposites today



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