

Safety Data Sheet (SDS)

d² Dura Slab



Product Description

Glass Reinforced Polymer (GRP) d² Dura Slab is produced from glassfibres laminated together using an Isophthalic Polyester Resin system and a gritted surface finish.

It is resistant against a wide range of chemicals and temperature spectrums as shown later in this document. Material samples are available on request, along with a copy of our product-specific data sheets. Other resin types are available by special order.

Product Applications

Common applications for d² Dura Slab include walkways, trench covers, industrial flooring, work platforms, tank covers, service duct covers, bridge decking and mezzanines.

Material Identification

Chemical Name:	Fibreglass Reinforced Polyester
Common Name:	GRP (Glass Reinforced Polymer, Fibreglass)
Product Identification:	d ² Dura Slab

Product Composition

Glassfibres, thermosetting plastic resin, catalysts, styrene, aluminium oxide extenders, pigments, fillers. Components are chemically and thermally cured and bonded together.

Breakdown of Composition

Glassfibres	Thermosetting Resin	Extender	Filler	Pigment	Fire Retardant Additive	UV
60-70%	30-40%	0.8--1.5%	8-60%	2-6%	5-20%	0.2-1.0%

Colours

Our most common d² Dura Slab RAL colours are as follows:

Dura Colours	RAL Number
Dark Grey 	7043
Yellow 	1012

Hazard Identification

None by contact. Dust produced by cutting or grinding can penetrate pores and skin causing itching. Avoid breathing dust, skin contact or dust inhalation when cutting. People with a condition that could be aggravated by dust should avoid cutting or grinding.

The product, in its final state, is not classifiable as dangerous element according to the directive 67/548/CEE and following adjustments.

First Aid Procedure

Skin – shower with water and soap. Eyes – flush with sterile eye wash solution.

Fire Fighting Measures

Use standard extinguishing equipment, water, foam, A, B or C fire extinguishers. Produces black smoke while burning, carbon particles. Use air respirator.

Handling & Cutting Guidance

Wear masks and goggles when cutting or grinding. Cover exposed parts of the body. Wear gloves when moving or lifting. Use diamond tipped tools for cutting. There is the possibility of minor cuts from exposed edges – therefore it is recommended cut 5 gloves are worn. Flat sheets should be carried vertically to avoid sag. It is advisable to perform manual handling and PPE assessments prior to use.

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Cleaning & Maintenance

Dirt and debris can easily be removed using a stiff brush or pressure washer and should be carried out on a regular basis. It is always advisable to test any cleaning product before starting the cleaning procedure. This can be done on an inconspicuous area of the installation, or if preferred, a product sample can be sent to you for testing purposes. If using a detergent, please ensure that it is free of ingredients that may pose health risks for people, pets or marine and aquatic life.

Installed products should be checked on a regular basis. Circumstances will vary, based upon the volume of foot traffic, but as a guide; monthly inspections are advisable and all fixings should be checked to ensure any clips/clamps have not become loose.

For more information on cleaning and maintenance, view our [Cleaning & Maintenance Guide](#).

We also offer a preventative maintenance inspection service, visit www.duracomposites.com/service/install-consultation for more information.

Waste Disposal

Product is not considered a hazardous waste. Abide by local laws and procedures. Safely dispose of any offcuts as per local laws or return to Dura Composites for re-use. Do not burn. Treat as construction waste. If unsure always consult your local governing body/council.

Sustainability

GRP is widely acknowledged as a material that has major advantages over more conventional options such as wood, steel and concrete as it is less energy-intensive in development and has an extremely long lifecycle.

With any material it's important to consider the whole lifecycle and all its associated costs, including installation, how long it will last and what kind of maintenance (if any) it will require to keep it functioning and looking its best.

Dura Composites' GRP products offer considerably low life cycle costs due to their maintenance-free, corrosion-resistant and impact-resistant characteristics compared with traditional materials, and market leading products such as d² Dura Slab come with a reassuring 25 year warranty and a design life of up to 60 years.

We have achieved ISO 14001 certification, the International Standard for environmental management which supports organisations in reducing their environmental impact and are committed to offering a recycling solution for our GRP materials and those of the wider industry by 2026.

Within a circular economy, re-use is the most economically and environmentally beneficial strategy. Finished products are worth much more than the raw materials they are composed of and direct re-use preserves the most value and embodied energy.

In the case of our Dura Slab panels for example, even after they have been used for their intended purpose and reach the end of their lifecycle in the original context, they can easily be up-cycled or re-purposed in other ways.

Dura Composites operates a company called Dura Upcycling Ltd which offers goods for use in additional non-standard applications as part of our commitment to upcycling and encouraging re-use and re-purposing of our materials wherever possible, taking advantage of their inherent durability and other properties.

To find more information on our company sustainability focus, visit www.duracomposites.com/sustainability.

Warranty

25 year limited warranty available. Please register your product with us within 30 days of your invoice date. Visit www.duracomposites.com/warranty for full details of warranty programme and any exclusions.

Chemical Resistance

The chemical resistance information for our Isophthalic d² Dura Slab range is available here: [Chemical Resistance Sheet Isophthalic](#). d² Dura Slab can be made of different resin systems to achieve specific chemical resistance if required. Please contact us on 01255 423601 for more information. All information is correct at time of publication but may be subject to change without notice.