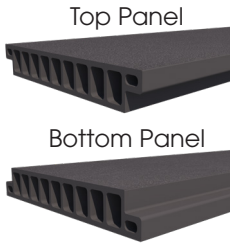


Product Datasheet

d² Dura Slab Type 100

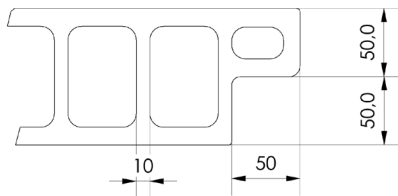
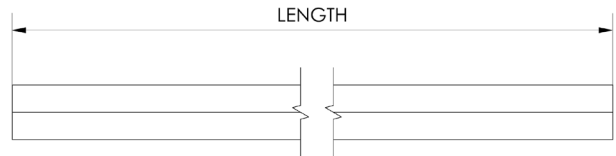
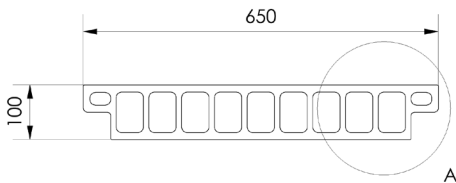


Product Description

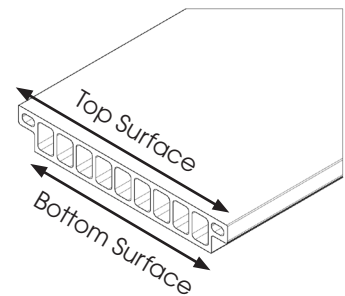
Dura Slab structural flooring panels are suitable for use as trench and access covers and heavy duty floor slabs, both for new build construction and refurbishment applications. Their lightweight design dramatically reduces the cost of installation, maintenance and transport versus alternatives such as steel or concrete and panels can be fitted with in-built lifting eyes, making them easy to deploy, without compromising on strength and safety. Part of Dura Composites d² product range, Dura Slab 100 achieves a Class B fire rating according to BS EN 13501-1 and has an advanced anti-slip surface tested to an incredible 1 million footfalls.

Product Details

Gritted Surface	Length (mm)	Width (mm)	Height (mm)	Colours / Product Codes	Panel Weight (kg)	Weight (kg/sqm)
Top	2460	650	100	Grey (DG04008)	136	85
	2800			Dark Grey (DG04010), Grey (DG04006)	142	78
Bottom	2460			Grey (DG04009)	136	85
	2800			Dark Grey (DG04011), Grey (DG04007)	142	78



DETAIL A



Product Applications

Common applications for d² Dura Slab Type 100 include trench covers, industrial flooring, work platforms, tank covers, service duct covers, bridge decking, mezzanines and walkways.

Packaging

Please see the below table for relevant packaging information for d² Dura Slab Type 100.

Packaging	Product Information
Maximum Products Per Pallet	8
Pallet Dimensions (mm)	2800 x 1200 x 680
Pallet Weight (kg)	1609

Colours

Please see below for our d² Dura Slab RAL colours.

Dura Colours	RAL Number
Dark Grey ●	7043
Grey ●	7047

Material

Glass Reinforced Polymer (GRP) Pultruded d² Dura Slab Profiles are manufactured by combining resins with pure glassfibre reinforcement. They are formed and cured in a continuous process creating a product of extraordinary strength and resilience d² Dura Slab is resistant against a wide range of chemicals and temperature spectrums. Material samples are available on request, along with a copy of our chemical resistance data.

Test Performance Overview

4S Slider Pendulum Test	BS EN 13501-1	BS 4592	FACTA	EN 124
PTV: 72 (dry)*, 62 (wet)*	Class B	Compliant	Class E	Class D

*Maintains 95% of slip resistance after 1.1 million footfalls.

For more information please refer the Technical Installation Manual or speak to your Dura Composites Representative.

Load and Deflection Data

Deflection is shown in millimetres (mm), with all columns denoting clear spans. Green/red cell colours indicate above and below L/100, which is the equivalent of 1% deflection. To view data for alternative standard load deflection such as L/200, or specific data for your project, visit www.duracomposites.com/power-of-composites.

Point Load (PL)

	1500mm	1750mm	2000mm	2250mm	2500mm	2750mm
20.0 kN/ PL	1.9	2.6	3.4	4.7	6.5	8.9
30.0 kN/ PL	3.1	4.2	5.5	7.2	9.5	12.5
40.0 kN/ PL	4.4	5.8	7.5	9.7	12.5	16
50.0 kN/ PL	5.5	7.3	9.4	12.1	15.5	19.6
60.0 kN/ PL	6.6	8.8	11.4	14.6	18.5	23.2
70.0 kN/ PL	7.8	10.2	13.3	17	21.5	26.8

Maximum Spans (mm)

Load	L/100	L/200
20 kN	2800	2800
30 kN	2800	2800
40 kN	2800	2500
50 kN	2800	2110
60 kN	2800	1750
70 kN	2800	1420

Uniformly Distributed Loads (UDL)

	1500mm	1750mm	2000mm	2250mm	2500mm	2750mm
5.0 kN/ UDL	0.3	0.5	0.8	1.2	1.7	2.3
8.0 kN/ UDL	0.5	0.8	1.2	1.8	2.5	3.4
11.0 kN/ UDL	0.7	1.1	1.6	2.4	3.4	4.6
14.0 kN/ UDL	0.8	1.3	2.1	3	4.2	5.7
17.0 kN/ UDL	1.1	1.7	2.6	3.7	5.1	6.8
20.0 kN/ UDL	1.3	2.1	3.1	4.4	5.9	7.8

Maximum Spans (mm)

Load	L/100	L/200
5 kN	2800	2800
8 kN	2800	2800
11 kN	2800	2800
14 kN	2800	2800
17 kN	2800	2800
20 kN	2800	2800

Safety Information

It is advisable to undertake a risk assessment, with particular focus on manual handling procedures. Wear appropriate gloves and coveralls to shield skin from abrasions. If shaping the product, it is essential to factor in the potential production of dust. To mitigate this, it is vital to either suppress the dust at source or employ effective extraction methods. We strongly recommend the use of appropriate respiratory protective equipment (RPE), specifically filtering facepiece class 3 (FFP3) masks, alongside adequate eye protection to guard against dust.

Recyclability

Return to manufacturer or downcycle.

Sustainability

The embodied carbon for A1-A3 (production stage) as defined in BS EN 15804 is 3.13kg CO₂ eq/kg.

Common Fixing Options

Some of the most common stainless steel fixing options are shown below.



S/L/XL Dome Washer
(BFX01005/BFX01003/
FX01004)



CAM Cover
(DRP0112)



Deep Recessed
Collar (FX01001)



Shallow Recessed
Collar (FXM8SRC)



J Clamp
(FX01128/9)

Warranty

25 year limited warranty available. Please register your product with us within 30 days of your invoice date. Visit www.duracomposites.com/warranty.