

DuraTread - Heavy Duty Fibreglass

Floor Grating



DURATREAD



**Gritted Anti-Slip Surface,
Prevents Slips, Trips &
Falls in the Workplace...**

INDUSTRIAL
High performance composites



**ACCURUE CONSTRUCTION
MATERIALS INC.**



DURATREAD Range



“Anti-slip” Fibreglass Floor Grating

Applications:

Industrial flooring
Stairs
Walkways
Platforms
Assembly lines
Wash bays
Work stations
And many more..

Benefits:

- Anti-slip surface
- High strength
- Easy installation
- Lightweight
- Corrosion/fire resistant
- Impact resistant
- Zero maintenance

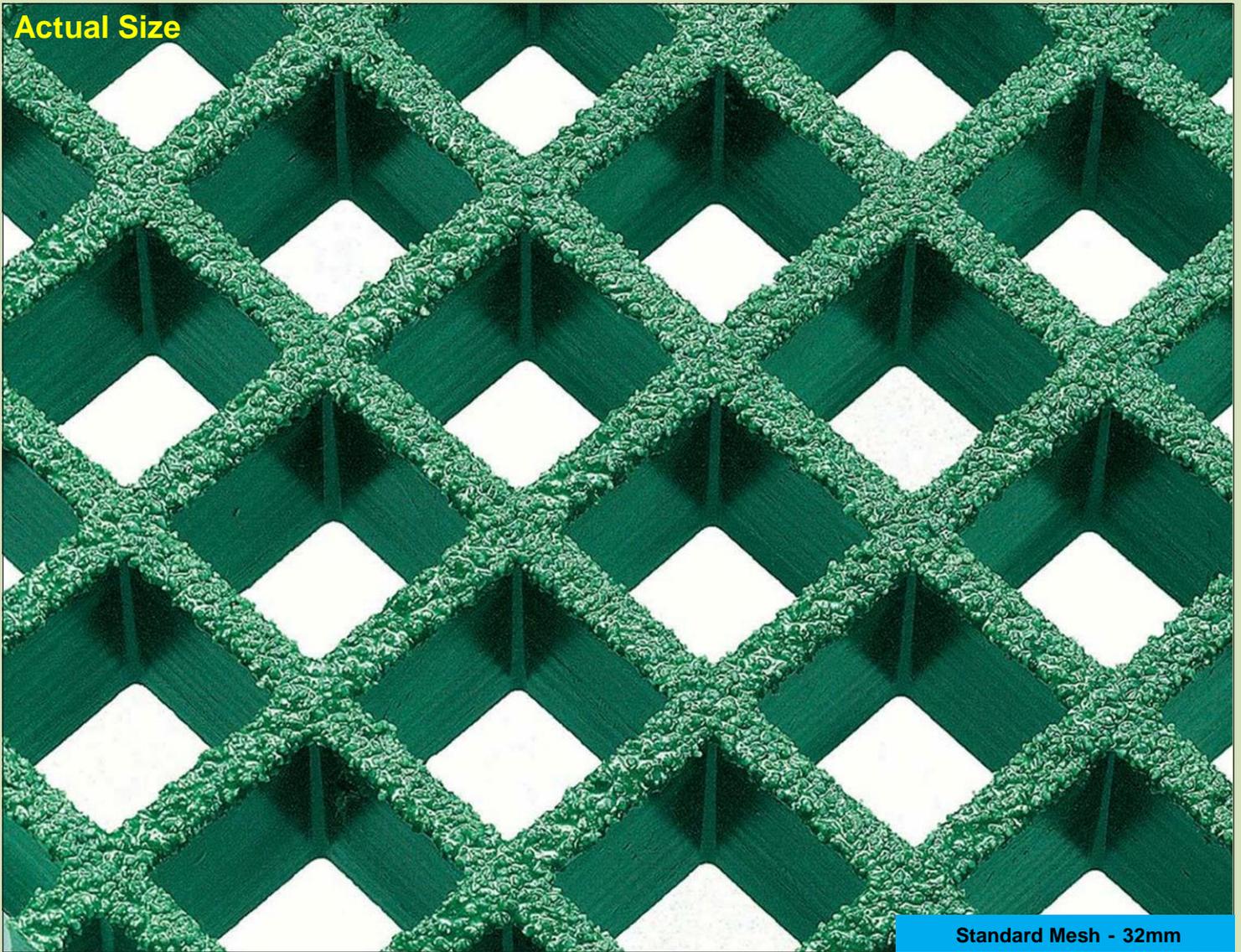


DuraTread has one of the World’s highest degrees of “slip-resistance” ever measured* for a walking surface*...



* See chart on following page..

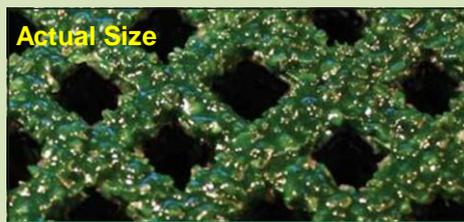
DURATREAD - Standard Grating



Standard Mesh - 32mm



Mini Mesh - 12mm



Micro Mesh - 8mm

Micro Mesh	Panel Thickness (mm)							
	12.7	14	22	25	30	38	50	63
45	✓							
42							✓	
32			✓	✓	✓			
26								✓
12	✓	✓		✓	✓			
8		✓		✓				

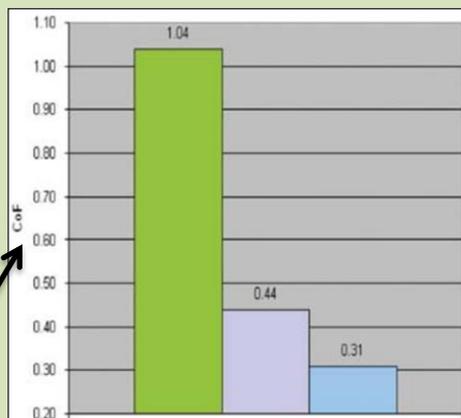
Anti-Slip Surface:

Angular Quartz is integrally bonded to the top surface, which produces an extremely long-lasting hardwearing surface. This gritted anti-slip texture has one of the highest degrees of slip resistance ever measured for a walking surface.

British Standard Test Results:

The BS4592 test was devised to test and assess the slip resistance of industrial type flooring intended for use in water and wet areas. A co-efficient of friction (CoF) is calculated by determining the mean angle of inclination that an operator can safely maintain when the flooring is subjected to a continuous stream of water.

British Standard Slip Test Results



■ DuraTread
 ■ Metal Grating
 ■ Chequer Plate

All grating is available in a range of panel sizes, mesh sizes and thicknesses.

Mesh: Smaller mesh sizes are suitable for small wheeled trolleys and wheelchairs and prevent small objects from passing through.

Sizes: Panel sizes are available up to 4000mm x 1500mm. See Price List for full details.

Colours: Standard colours, Green (RAL 6010) and Grey (RAL 7047), other RAL colours available on request.

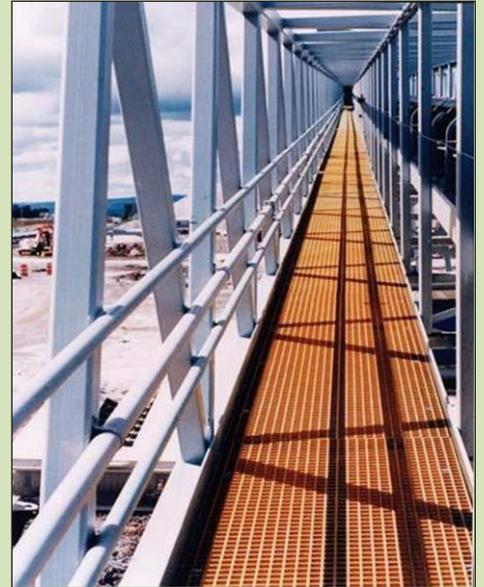
Previous Installations



Grating replaces steel construction wash bay walkway for **Docklands Light Railway**



Fiberglass Grating **replaces corroded steel mesh**



Fiberglass Grating walkway at **Salt Works**



Fiberglass Grating Structural floor in **Chemical Processing Plant**



Fiberglass Grating anti-slip work area at a UK based **Car Manufacturing Plant**



Fiberglass Grating walkways installed at **Water Treatment Plant**



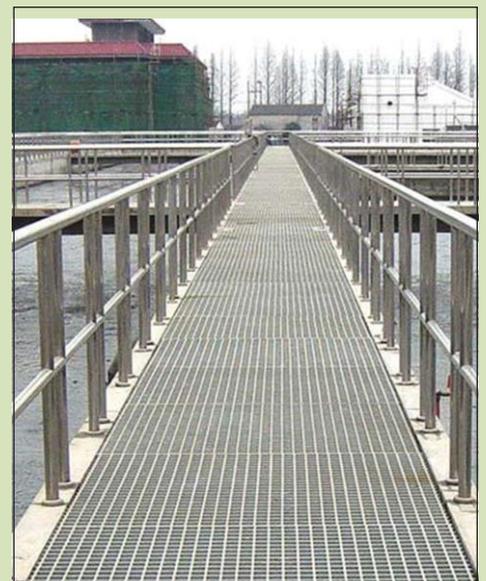
Fiberglass Grating platform in **Anodising Plant**



Fiberglass Grating flooring in **Corrosive Environments**



Fiberglass Grating anti-slip **Heli-Deck**



Fiberglass Grating in **Sewage Treatment Works**



UK's Queen Elizabeth II opens **Sea Rescue RNLI Training Centre** at Poole Dorset.



Fiberglass anti-slip **Roof Walkway and Hand Railings**



Fiberglass anti-slip access **Service Duct Covers**



Fiberglass Grating duct covers at **Chemical Processing Works**



Anti-slip walkway decking at **Public Refuse Centre**



Fiberglass Grating, **false Flooring with Access below**

DURATREAD - Protruded Grating



Applications:

- High Load Bearing Areas
- Assembly Lines
- Continuous Walkways
- Bridges / Ramps

Benefits:

- Large uninterrupted Spans
- Huge Mechanical Strength
- Unlimited Panel Lengths
- Various Open Surface Areas

Thickness :

25mm - 100mm. Others on request - Various panel sizes available



DURATREAD - Solid Fibreglass Plate



Fibreglass Plate has been designed to be installed over new or existing steel, timber, concrete or aluminium to provide an economical, safe solution to slippery walking surfaces.

Benefits:

- Fast Installation
- Economical
- Anti-Slip Surface
- Improved Appearance

Sizes :

- 4.8mm to 12mm thicknesses
- Up to 2400mm length
- Up to 1200mm width



DURATREAD - Structural Stair Treads

Dura Tread structural stair treads have been designed for new and replacement staircase construction to provide a solid permanent footing. The proven gritted anti-slip surface has one of the highest degrees of slip resistance ever measured for a walking surface. Standard nosing is a highly visible yellow.

Applications:

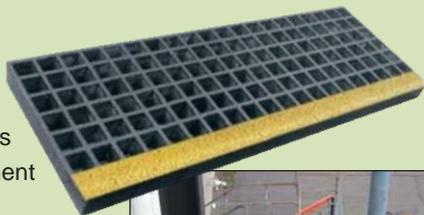
- New Build Staircases
- Stairtread Replacement
- High Footfall Areas
- Heavy Industry

Benefits:

- Anti-Slip Surface
- Allows Drainage
- Fire / Chemical Resistant
- Maintenance Free

Sizes :

- 38mm thickness
- Length up to 3660mm
- Depth up to 270mm
- Tread sizes cut to suit



DURATREAD - Stair Tread Covers

Dura Tread pre-formed anti-slip stair tread covers are a fast and convenient way to provide solid, slip-resistant footing for existing stairs. They can be installed over existing wood, concrete or metal steps by gluing, screwing or bolting into position for immediate use. Standard nosing for these covers is a highly visible yellow.

Applications:

- Covers Existing Stairs
- Covers Wood, Concrete, Metal
- High Footfall Areas
- Commercial Use

Benefits:

- Anti-Slip Surface
- High Visibility Nosing
- Chemical Resistant
- Fast Installation

Sizes:

- 4.8mm and 6mm Thickness
- Length up to 3660mm
- Depth up to 345mm
- Tread sizes cut to suit



Ladders

Fixings & Accessories



Applications:

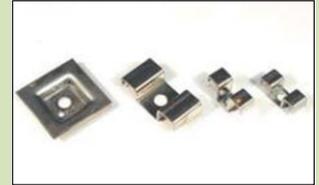
- Chemical Plants
- Water & Sewage Plants
- Maritime and Offshore
- Petro-chemical
- Power Stations

Benefits:

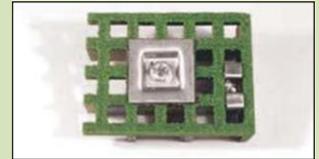
- Corrosion Resistant
 - Maintenance Free
 - Light Weight
- Sizes :**
- Various available to specification with or without safety hoops and complete with Stainless Steel brackets



A full range of 316 grade Stainless Steel hold-down clips, clamps and panel-to-panel joiners are available.



Stainless Steel holding down clips for various applications.



Stainless Steel Square and 'M' holding down clips.



Plastic and Stainless Steel pedestals from 7mm to 600mm are available to raise platforms and walkways.

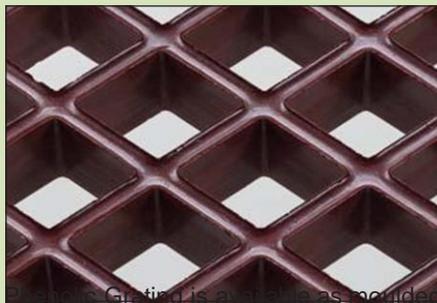


Stainless Steel dome headed surface mounted hold down fixings.



Self-drilling, self-tapping screws for fixing to steel structures.

Phenolic Grating



Phenolic Grating is available as moulded grating, or pultruded grating, offering maximum fire and smoke resistance, low smoke and toxic fume emissions. Phenolic floor grating can be used for offshore mines, tunnels, ships decks and walkways. Phenolic Floor Grating is produced in a mould, and is available in various mesh thicknesses and panel sizes.

Applications:

- Oil Refineries
- Underground Mining
- Oil Rigs, Shipping
- Underground Rail Systems

Benefits:

- Extreme Fire Resistance
- Withstands Direct Flame
- Low Smoke & Toxic Fume Emissions
- Retains Structural Integrity

Heavy Duty Adjustable Pedestals



Pedestals support fibreglass grating panels up to 1 metre above floor level

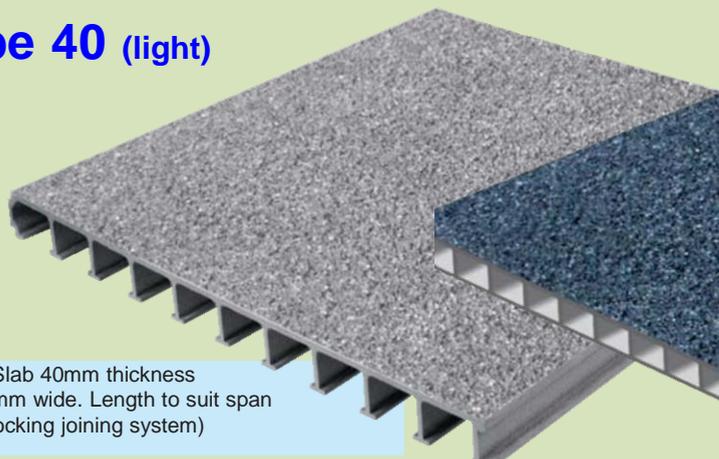


Heavy duty plastic bases and top insert mouldings complete with heavy duty aluminium or fibreglass tube supports allows the grating walkways or platforms to be raised up to 1 metre from floor level. When one or more sides of the grating is attached to a fixed structure the flooring heights may be able to be raised to more than one metre. When the pedestals are positioned correctly the flooring becomes unbelievably stable.

DURASLAB - Fibreglass Trench Covers

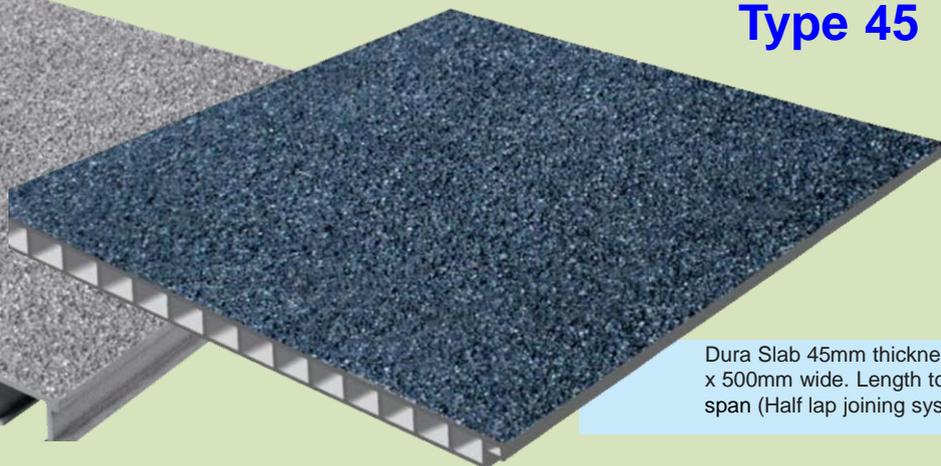
Precision Engineered Pultruded Fibreglass Trench Covers to BS EN124.

Type 40 (light)



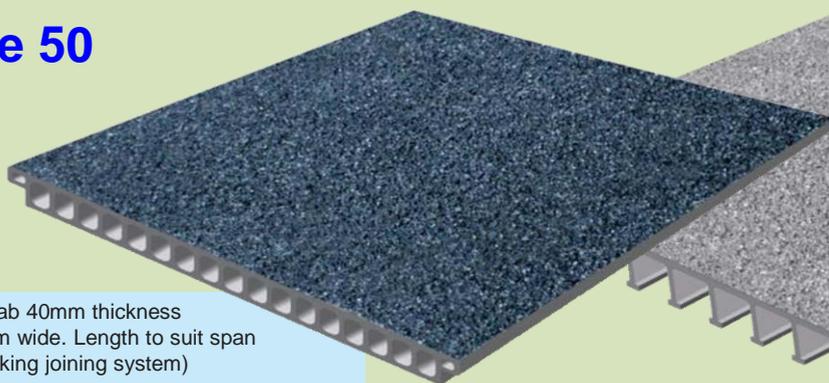
Dura Slab 40mm thickness
x 500mm wide. Length to suit span
(Interlocking joining system)

Type 45



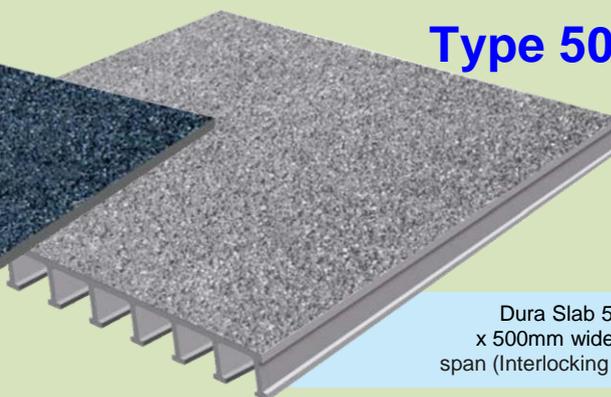
Dura Slab 45mm thickness
x 500mm wide. Length to suit
span (Half lap joining system)

Type 50



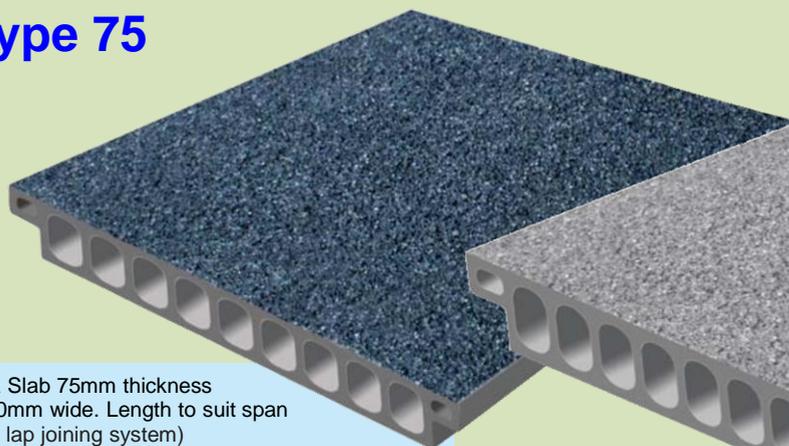
Dura Slab 40mm thickness
x 500mm wide. Length to suit span
(Interlocking joining system)

Type 50 (light)



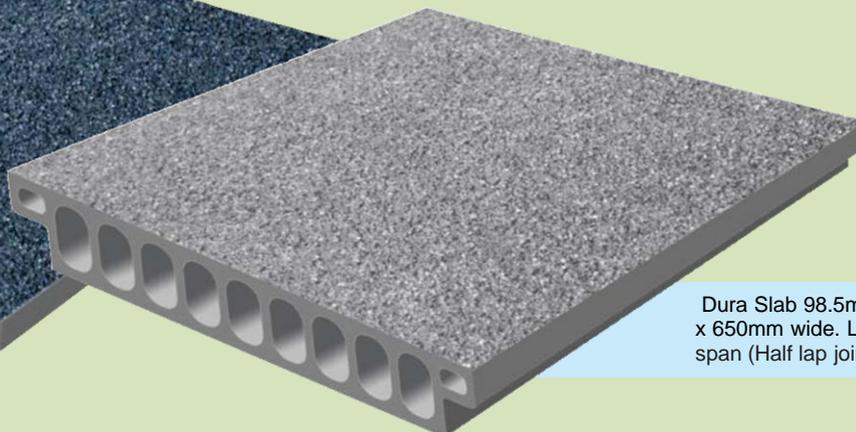
Dura Slab 50mm thickness
x 500mm wide. Length to suit
span (Interlocking joining system)

Type 75



Dura Slab 75mm thickness
x 600mm wide. Length to suit span
(Half lap joining system)

Type 100



Dura Slab 98.5mm thickness
x 650mm wide. Length to suit
span (Half lap joining system)

Available shortly, please ask for details



Illustration shows how the half lap trench covers join together allowing easy removal for maintenance access

DURASLAB

Previous installation examples...

Case Study 1 - Intervet UK Limited

"Some of the key advantages of using Dura Slab for our replacement service duct covers relate to better accessibility and its light weight construction. DuraSlab improves Health & Safety in several ways. Previous concrete covers required at least 2 men to lift them and as a result of their significant weight, there was a risk of injury. Now that DuraSlab has been installed, it means that one man can now lift a duct cover by himself and then work on the services without any need for additional man power. This saves money and time and also means that we don't have any problems carrying out maintenance.

The anti-slip surface is also important because the service duct covers are used as pedestrian walkways; the last thing we want is people slipping over due to a slippery surface in wet conditions. Finally, we found that DuraSlab was cheaper than the quote we received for bespoke concrete covers with the special lifting eyes to suit a 2/3 man lift"

Comment: Terry Boardman

Case Study 2 - The Royal Botanic Garden, Edinburgh, UK

"When MEP were asked to replace all the pipe-work for the services, we took the opportunity to recommend an alternative duct cover to replace the original concrete material. The idea was to better fulfil key functional criteria: light weight for easy handling and easy access, high load bearing strength, anti-slip surface for all conditions".

Comment: Jim Burnett

Case Study 3 - National Grid, UK

"The DuraSlab 5 ton trench cover was the only solution on the market that met all of our clients' requirements.

The anti-slip surface has already proven to be very effective. The installation period has coincided with very wet weather and I can report that there have been no incidents of site staff slipping or falling."

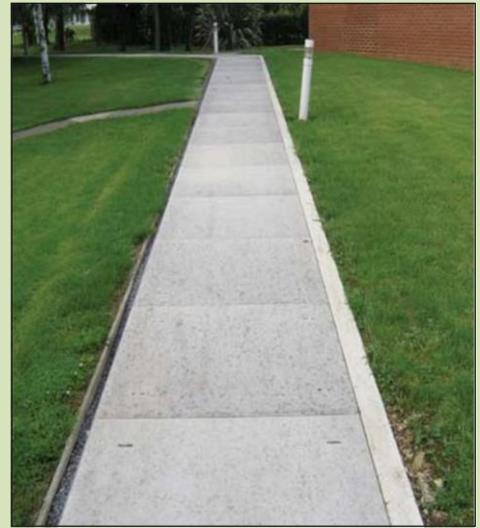
Comment: Brendan Dowd



OLD Existing reinforced concrete covers



OLD Existing uneven concrete covers, posing serious trip hazard and injury.



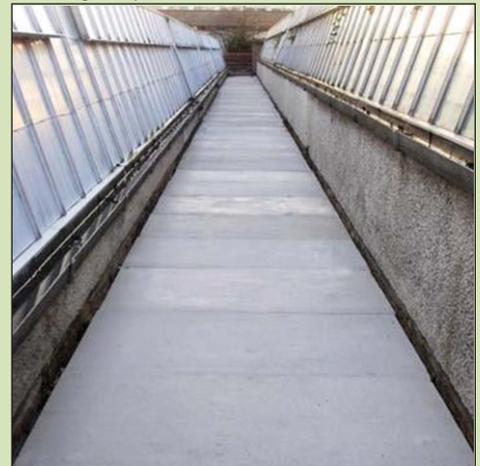
New DuraSlab covers installed



New lightweight Dura Slab covers fitted allowing easy access for maintenance..



Original heavy concrete covers removed showing services which require periodic inspections..



NEW DuraSlab replacement covers installed allowing easy removal for maintenance.



Installation process made easy through lightweight DuraSlab units and Slab Lifting Keys.

DURASLAB - Past Installations



Power Sub-station - Class B rated flooring



Airport chequered safety zone



Structural raised walkway for **Canning Plant**



Serviceable **Residential Walkway**

New or Refurbishment Projects

DuraSlab is ideal for new constructions but is also well suited for refurbishment applications to replace old, heavy & cumbersome traditional flooring materials.



Damaged concrete trench covers in need of replacement **to meet Safety Regulations**

Health and Safety Compliant

DuraSlab has one of the highest degrees of slip resistance ever measured for a walking surface. It weighs far less than steel or concrete and can be supplied in 25kg or 50kg panel weights.



DuraTread allows easy maintenance access

DuraSlab BS EN124 Approved

DuraSlab is BS EN 124 approved.

This European standard applies to **gully tops** and **manhole tops** for vehicle and pedestrian areas.



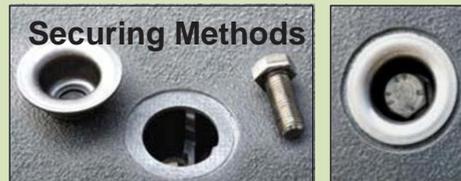
DuraSlab undergoing **BS EN 124** testing for strength testing..

DuraSlab fixing systems



Fixing types

- Nut and bolt
- Fischer Rawlbolts
- Coach screw (Anti-tamper available)



Securing Methods

- Recessed collar
- Counter sunk
- Dome head bolt and washer



Lifting Systems

- T-Bar lifting handles
- Lifting Eyes (can suit 1,2 or 4 man lift)

Dura Slab manufacturing process



Glassfibre rovings and matting reinforcement



Chemical grade resin dip bath



Final pultruded resin glassfibre DuraSlab.

Pultruded DuraSlab Profiles are manufactured by combining various resins with pure glass fibre reinforcement. They are formed and cured in a continuous process creating a product of extraordinary strength and resilience. This offers a combination of benefits and mechanical properties exceeding those of metal. **Weighing up to 80% less than steel and concrete**, Dura Slab offers equivalent performance for considerably less weight. This results in lower installation and servicing removal costs due to more economical transportation, handling and on site positioning.

DURASLAB – Cable Ducts & Pipe Trench Installations



DURASLAB

Applications:

Trench Covers
Industrial Flooring
Work Platforms
Tank Covers
Service Duct Covers
Bridge Decking
Ship/Rig Constructions

Benefits:

Light weight / High strength
Easy installation
Anti-Slip Surface
Corrosion/Fire resistant
Impact resistant
Zero Maintenance

Other Industries:

Railway Gravel Retainer Walling
Mining Ore Pass Ducting and Covers
Military Applications
Police Retainer Barrier's
Port and Airport Applications
Highway/ Road /Rainwater Gully's

DuraSlab - For various new or replacement applications of trench covers, work platforms and industrial flooring, etc., etc...

Please contact your Regional office below:

UK (Head Office)

ACM International Inc.
Auckland Hill,
West Norwood, SE27,
London, UK.

Contact: Andy - GGM
Office: + 44 75 535 83910
andyeeaml@gmail.com
andyaccrue@gmail.com

USA / Canada

ACM [USA]
9 Pinewood Lane,
Warren, New Jersey,
07059, USA.

Contact: Lisa Vega
Office: +1 917 750 5758
lisavegaaml@gmail.com
Contact: John Ross
Office: + 173274 27179
johnrossaml@gmail.com

ISRAEL

ACM [Israel]
2/2 Zeev Sharf St,
Jerusalem, 97842.
Israel.

Contact: Jacob / Bari
Int Tel: +972 54 907 7790
jacobariaml@gmail.com



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MATERIALS INC.**

