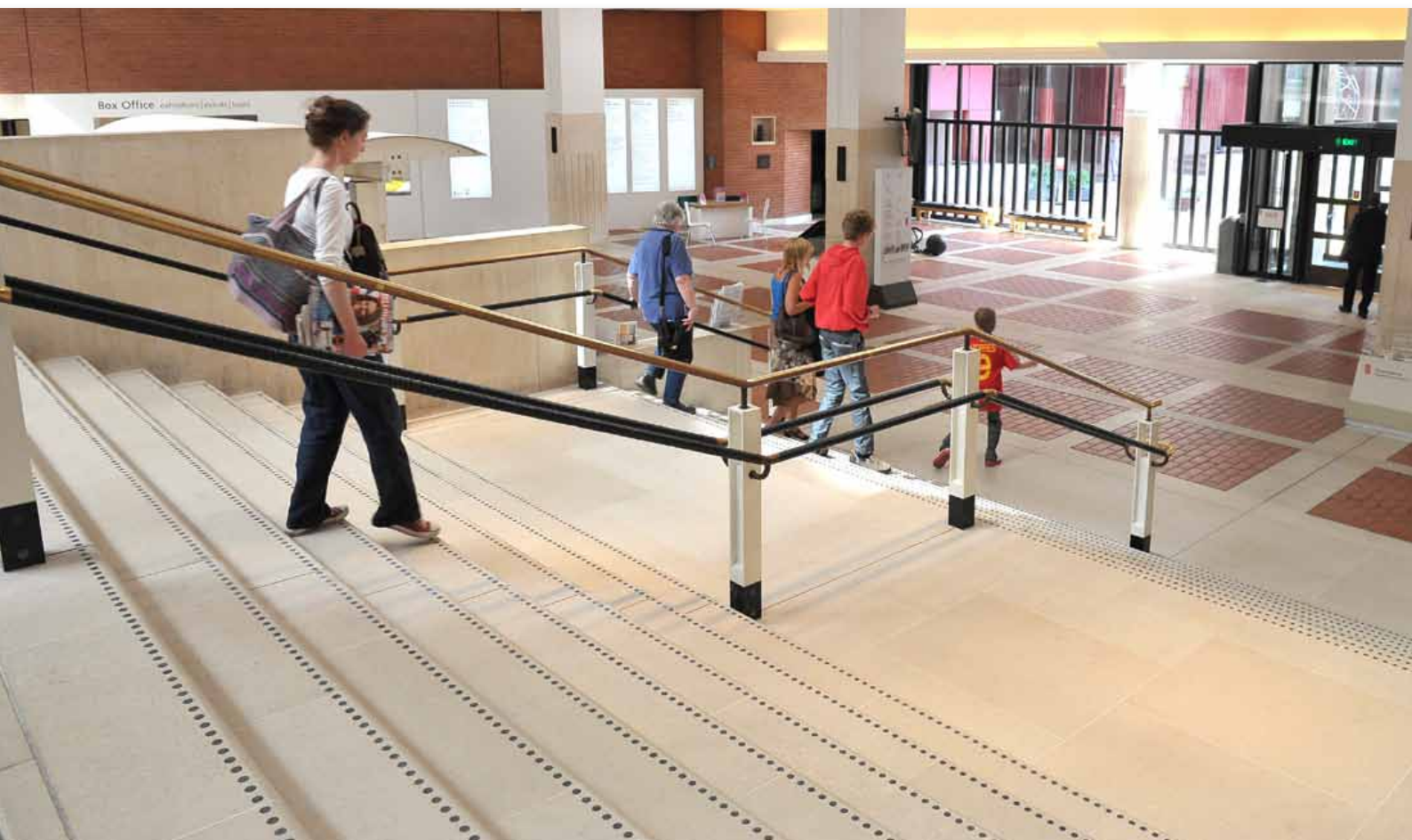


# Section 4

## Associated Products for Stairs & Floors

Information on Gradus products that are typically associated with stairs and surrounding areas: slip-resistant surface finishes, tactile surface, stair rods and cable ducts.

# Stairtile™ - Slip-Resistant Flooring



British Library

## Description

Stairtile is a rubber composite material designed to provide a hard-wearing, slip-resistant finish for stairs and floors. It can be installed in a wide range of applications such as shopping centres, car parks and other high usage circulation areas.

It can be used as a complete stair covering or as an insert set into terrazzo, wood and concrete. Stairtile is suitable for use in both internal and external applications and is available in a choice of 4 colours.

When used on step edges, in order to ensure that the guidance in The Building Regulations 2000: Approved Document M is followed, Gradus recommends a minimum width (front to back) of 50mm to ensure a sufficient degree of colour contrast is achieved. Stairtile must be set as close to the leading edge of the step as possible. When Stairtile discs are used to define a step edge, they should have a diameter of 50mm and be set as close together as possible.

## Profile Information

### Available in a choice of 2 gauges

- 6.5mm sanded finish - typically supplied to ready-prepared floor finishes
- 8.0mm unsanded finish - typically supplied where further site finishing is required
- To ensure slip-resistant properties are maintained, any build up of contaminants such as grease must be managed using a thorough and regular cleaning regime

## Installation Advice

- Rebated product fitted with epoxy adhesive and screws
- Can be supplied pre-drilled (minimum profile width 20mm). Screw head cover plugs supplied
- Cast-in products require no mechanical fixing



Visit: [www.gradusworld.com](http://www.gradusworld.com) to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.

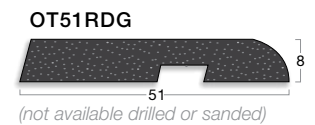
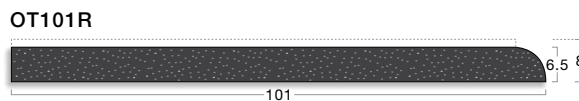
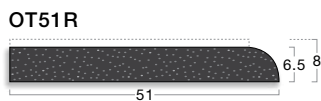
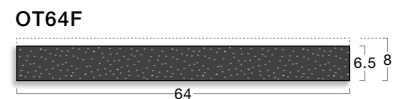
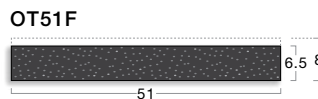
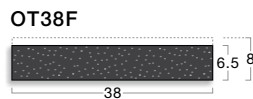
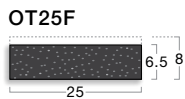
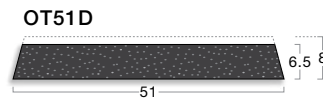
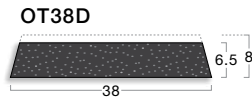
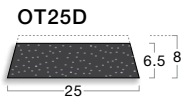
# Stairtile™ - Slip-Resistant Flooring



Material	Rubber composite
Application	Typically used with concrete, terrazzo, wood, stone and marble
Profiles	OT/F profiles are rebated into existing steps OT/D and OT/RDG profiles are pre-cast into new steps OT/R profiles can be rebated as a step edge
Profiles	Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

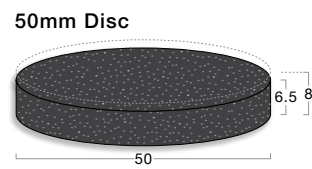
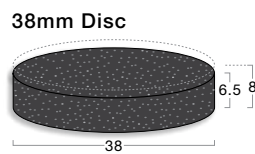
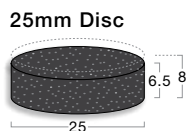
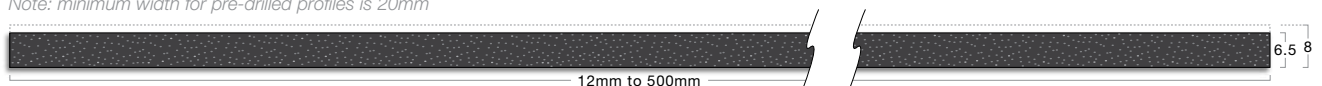
Potential for Slip
Dry Conditions Low (PTV Av. >70)
Wet Conditions Low (PTV Av. >55)

Independently tested by the Health & Safety Laboratory (see figure 2 on page 133 for further details).

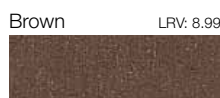


## OTD, OTF, OTR and OTRDG

Available in any width from 12mm to 500mm  
Note: minimum width for pre-drilled profiles is 20mm



## Colour options



For an accurate colour match a physical product sample should be requested.

# Tread Alert® - Tactile Surface

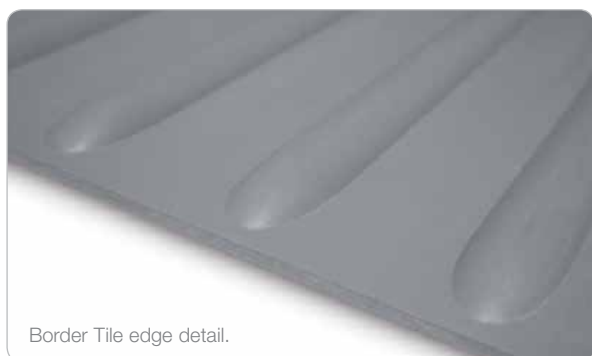


Dennis Gilbert/View.

## Description

Tread Alert is a rubber tile with raised ribs that acts as a tactile warning surface for visually impaired people to recognise a change in level. Tread Alert has been designed to meet the criteria for tactile surfaces as stipulated in the DTLR publication 'Guidance on the use of tactile paving surfaces'.

When used correctly Tread Alert helps to ensure the provision of an inclusive environment as recommended in BS 8300:2009+A1:2010 (see page 137) and the Joint Committee on Mobility of Blind and Partially Sighted People.



Border Tile edge detail.

## Tile Information

**Tile size 400mm x 400mm. Gauge 8.5mm nominal.**

- **Border Tile (TAFB)** - used to provide a finishing edge; 2.5mm thick with a 6mm raised rib at 50mm centres rounded towards one edge of the tile
- **Field Tile (TAFT)** - butt jointed to form a continuous run; 2.5mm thick with a 6mm raised rib at 50mm centres across the full width of the tile
- Suitable for interior dry conditions. Tread Alert should not be used in internal areas that may be subject to wetness
- Tread Alert tiles should visually contrast with the surrounding floorcovering to ensure clear visibility (see Diagrams 1 and 2 opposite).
- Consideration must be given to the frictional characteristics of Tread Alert and the surrounding floorcovering. Dramatic changes in frictional resistance, such as when used in conjunction with carpet, require special consideration (see Diagram 2 opposite). For further details contact Technical Support

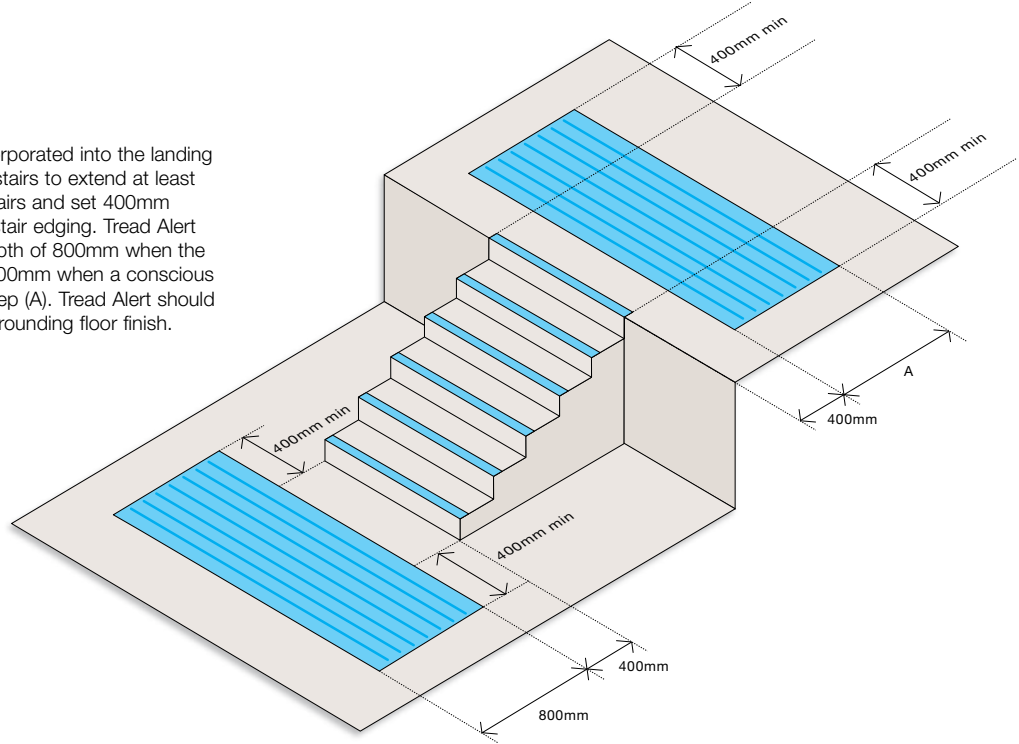
## Installation Advice

- Tread Alert should be used at the approach (top and bottom) to a flight of internal stairs and installed according to the 'Guidance on the use of tactile paving surfaces' (see Diagram 1 opposite).

# Tread Alert® - Tactile Surface

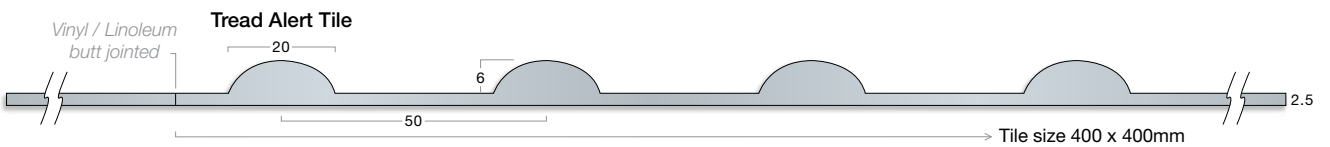
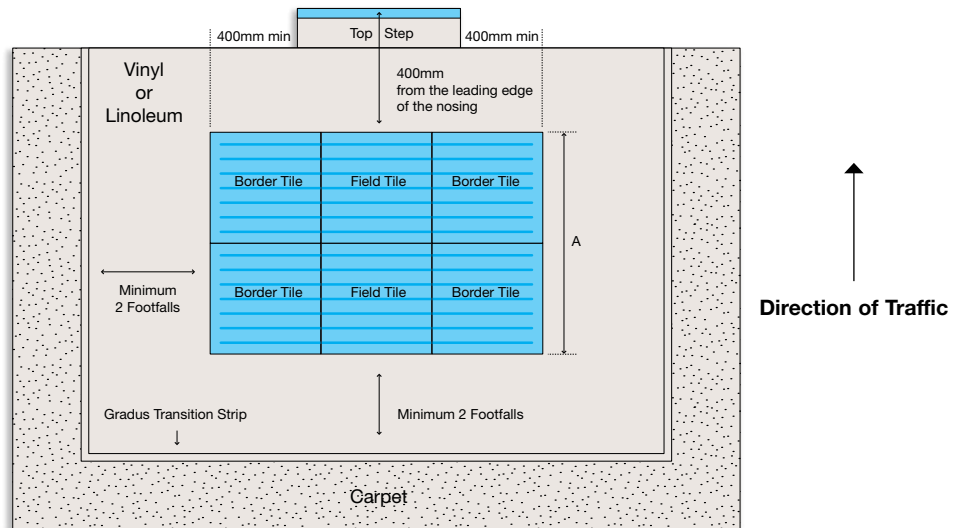
**Diagram 1**

Tread Alert tactile surface incorporated into the landing at the top and bottom of the stairs to extend at least 400mm at each side of the stairs and set 400mm from the leading edge of the stair edging. Tread Alert tactile surface should be a depth of 800mm when the approach is straight on and 400mm when a conscious turn is needed to reach the step (A). Tread Alert should contrast in colour with the surrounding floor finish.



**Diagram 2**  
**Tread Alert used in conjunction with carpet.**

Tread Alert tactile surface should be set-in to rubber, vinyl or linoleum to provide a graduated change in surface friction. Tread Alert should contrast in colour with the surrounding floor finish. Diagram shows plan view when descending stairs.



## Colour options

Black	LRV: 5.39	Bluebell	LRV: 8.58	Granite	LRV: 12.60
					
Dove	LRV: 28.23	Glacier	LRV: 43.10	Canvas	LRV: 58.08
					

For an accurate colour match a physical product sample should be requested.

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

# Stair Rods



## Description

Stair rods provide a traditional and prestigious finish and are often used with carpet runners. Typically used in prestigious hotels and National Trust properties they can also provide an attractive finish in the home. Stair rods are supplied in solid brass with a polished and lacquered finish and can also be supplied in a chrome finish to special order. A choice of 2 ranges, Niagara (12mm) and Victoria (19mm), complemented with either ball or acorn ends and hinged brackets.



Visit: [www.gradusworld.com](http://www.gradusworld.com) to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.

## Profile Information

### Stair Rods

- Suitable for interior use only
- Supplied in solid brass with a polished and lacquered finish. Also available in Chrome finish to special order
- Niagara range - 12mm diameter, up to 2500mm maximum single length. Hinged end brackets to suit. An optional centre bracket (NSRC) may be used for stair rods between 2000mm and 2500mm to help prevent bowing
- Victoria range - 19mm diameter, up to 2500mm maximum single length. Hinged end brackets to suit

### Stair Rod Ends

- Choice of ball or acorn ends in 38mm or 75mm lengths

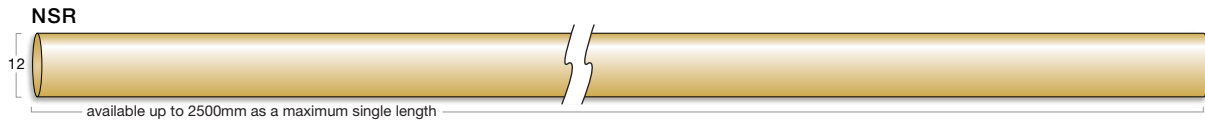
### Stair Rod Packer

- Used to build up bracket where underlay is used

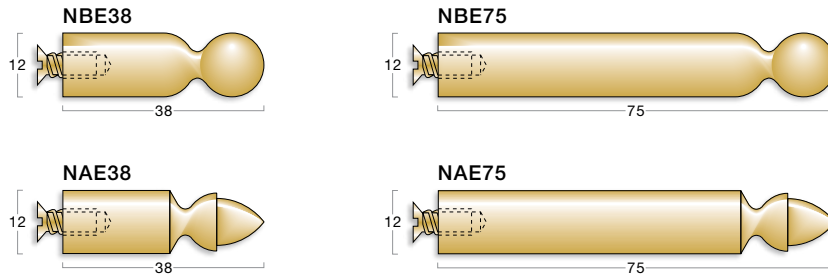
## Installation Advice

- Stair rods can be installed with either a carpet runner or wall to wall. If fitting to winding stairs, stair rods should be ordered oversize and trimmed to length after the carpet is in position
- Subject to approval of template stair rods can be curved or fabricated to special shapes
- Contour Edge should be trimmed 25mm short of the carpet width for concealment

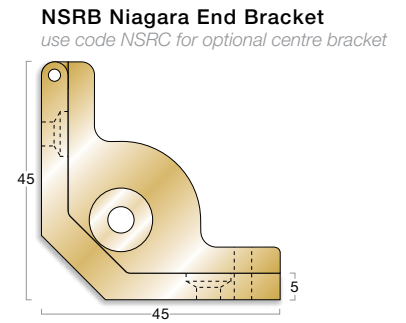
## Niagara Rod



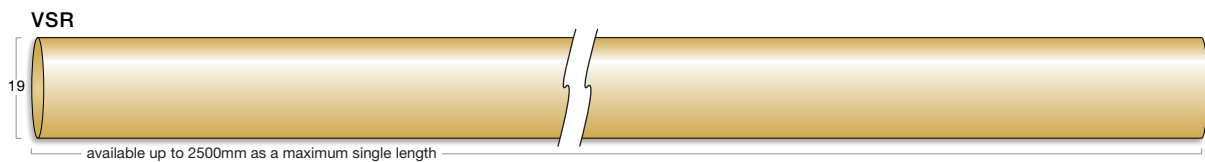
## Niagara Ends



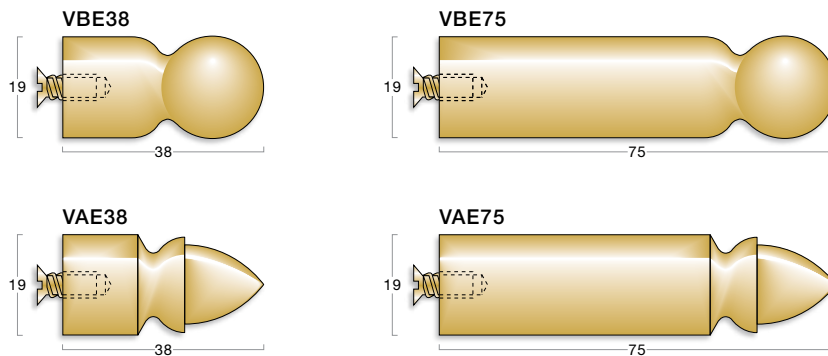
## Niagara Bracket



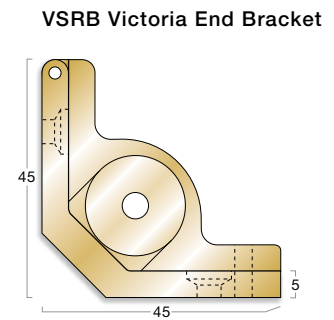
## Victoria Rod



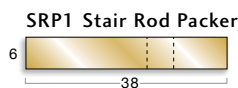
## Victoria Ends



## Victoria Bracket



## Stair Rod Packer



If underlay is being used on the staircase, packers may need to be installed. Contact Technical Support for further details.

## Contour Edge

Contour Edge is designed to be used where a stair edging is not required and the carpet is "waterfalled" from the top to the bottom of a flight of stairs.

It also helps to reduce wear to both the floorcovering and the leading edge of the step. Supplied in mill finish stainless steel.

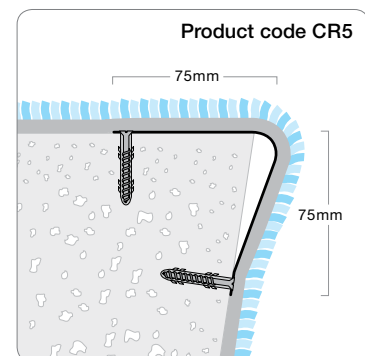


Illustration shown at 50% of actual size.

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

# Cable Ducts - Cable Management



## Description

Cable Ducts combine the principle of Gradus Clip-Top functionality with the added benefit of securing loose or trailing light duty cables such as computer cables. The Workplace (Health, Safety and Welfare) Regulations 1992 recommends that “floors should be suitable, in good condition and free of obstructions. Traffic routes should be organised so that people can circulate safely”. Trailing cables should be avoided, and where appropriate the use of cable ducts can help to securely fix cables and prevent accidents, whilst also preventing damage to vital cables.



Visit: [www.gradusworld.com](http://www.gradusworld.com) to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.

## Profile Information

- Reduces the risk of accidents for pedestrian traffic by providing a safe link between floorcoverings
- Ideal for use in typical office environments, cable ducts can either be set in to the carpet to achieve a flush finish (TD series) or fitted on top of the floorcovering (RD series and CD), ideal where a semi-permanent solution is required. All cable duct profiles, with the exception of CD65 (a one-piece flexible profile), are supplied as separate tops and bases manufactured from PVC-u which clip together to form the cable duct
- Suitable for interior use
- Choice of 4 colours
- Suitable for most light to medium pedestrian traffic applications e.g. offices

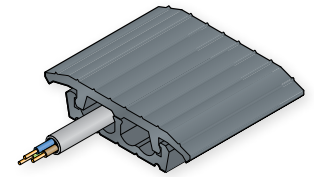
## Installation Advice

- Examples of typical installations using Cable Ducts are shown on the opposite page

# Cable Ducts - Cable Management



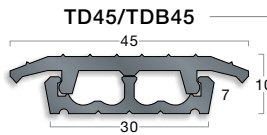
Tops	RD and TD series PVC-u; CD series pvc
Bases	PVC-u
Application	Most interior environments. Suitable for light to medium traffic
Profiles	Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.



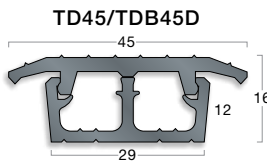
TD45/TDB45

## Flush Finish (set in to carpet)

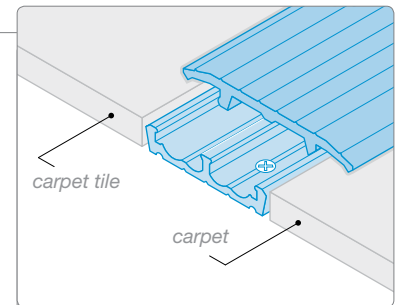
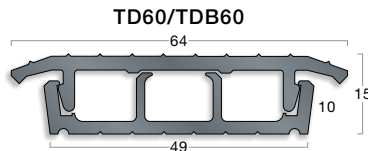
Provides transition between:  
Carpets and carpet tiles.



Provides transition between:  
Carpets and carpet tiles.



Provides transition between:  
Carpets and carpet tiles.



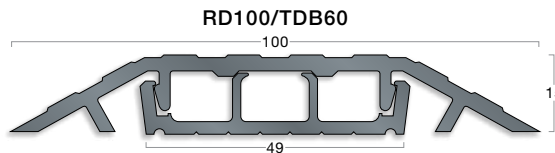
Typical example: TD45/TDB45  
carpet tile to carpet.



TDB45, TDB45D and TDB60 contain  
up to 100% recycled content.

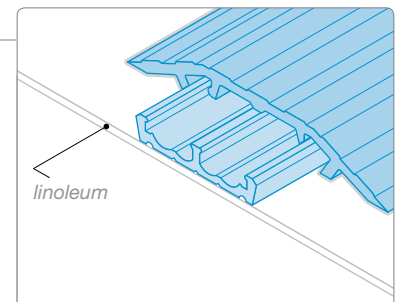
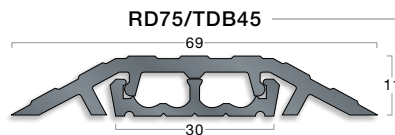
## Surface Mounted

For surface fixing on  
top of floorcoverings.



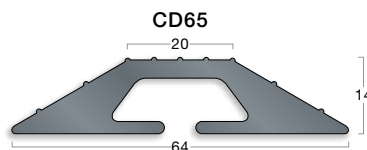
RD profiles are typically used with hard  
floorcoverings. For guidelines on use with  
carpet contact Technical Support.

For surface fixing on  
top of floorcoverings.

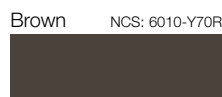


Typical example: RD75/TDB45  
surface mounted to linoleum.

For surface  
mounting on top  
of floorcoverings.

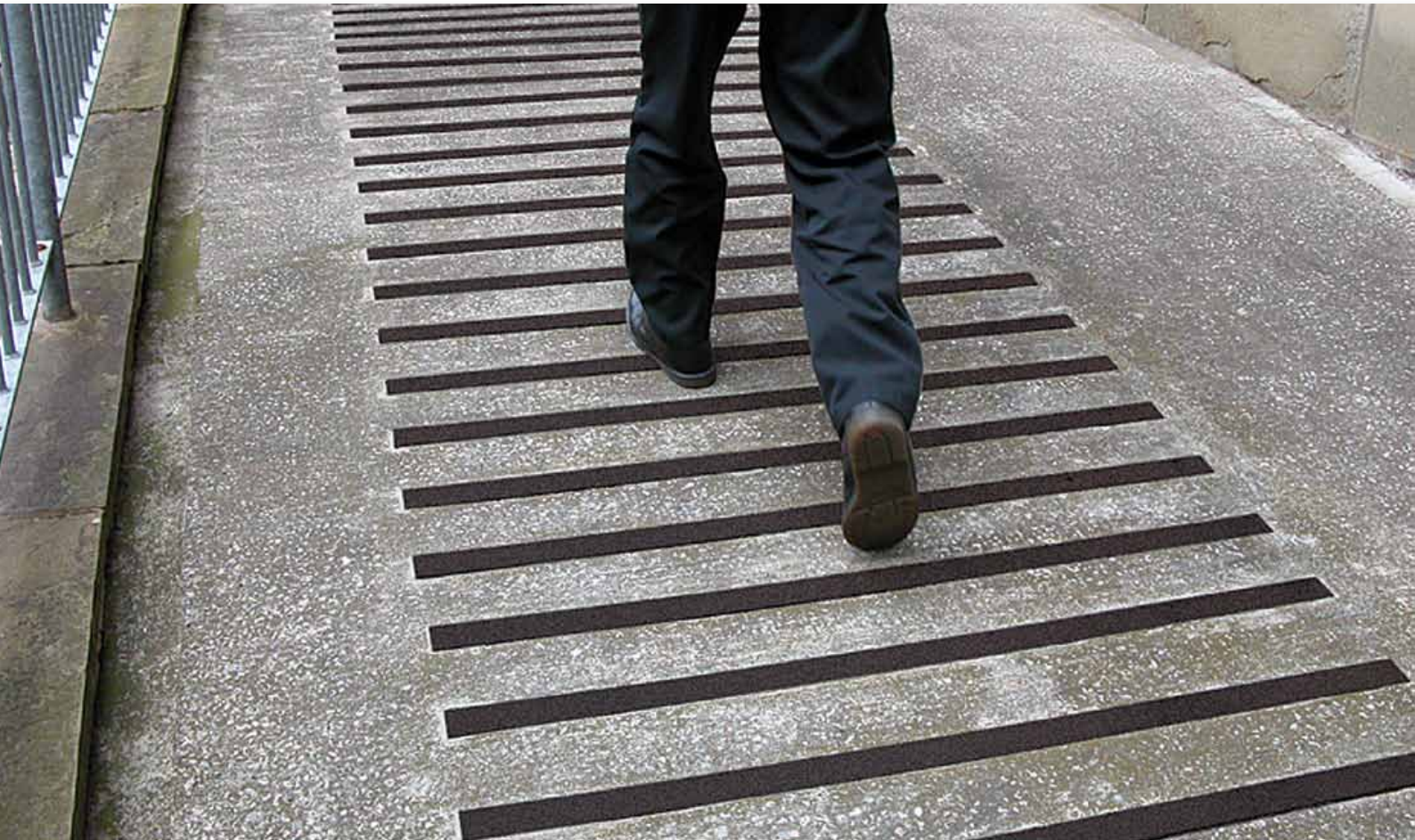


## Colour options



For an accurate colour match a  
physical product sample should  
be requested.

# Safety Track™ - Slip-Resistant Finish



## Description

Safety Track™ is a heavy-duty slip-resistant surface finish that can be used on ramps, walkways or anywhere where a risk of slip exists. Safety Track consists of a silicone carbide resin carrier with a self adhesive backing.

## Availability

- Available in wide choice of sizes and configurations including rolls, cleats, tiles and stair treads
- Rolls are available to be cut to bespoke sizes. Cleats, tiles and stair treads are supplied cut to size with radius corners

Roll Size	25mm x 18m	1" x 60'
	51mm x 18m	2" x 60'
	102mm x 18m	4" x 60'
	153mm x 18m	6" x 60'
	305mm x 18m	12" x 60'
	609mm x 18m	24" x 60'
Cleats	153mm x 609mm	6" x 24"
Tiles	140mm x 140mm	5½" x 5½"
Stair Treads	20mm x 609mm	¾" x 24"
Primer	One Litre Tin	
Edge Fix	Tube (5oz)	

## Information

- Suitable for interior and exterior use
- Resistant to most common chemicals
- Suitable for use on most substrates including concrete, stone, terrazzo, wood etc. (surfaces should be primed prior to application with Safety Track primer)
- Available in Black (LRV: 4.58)
- Ideal for use on:
  - Ramps
  - Walkways
  - Gantries
  - Landings
  - Plant and Machinery
  - Emergency Service Vehicles
  - Commercial and Agricultural Vehicles
  - Marine Decking

## Installation Advice

- Surfaces must be fully prepared; clean, flat, even and free from any oil, moisture or dust
- Primer is available in 1 litre tins (approximate coverage 5sq/m per tin) to assist with surface preparation. Where there is a danger of water penetration e.g. outdoor locations or other wet areas the use of Edge Fix sealant is recommended. Edge Fix sealant is supplied in 5oz tubes. Maximum adhesive strength is reached after 48 hours. Safety Track should not be installed at temperatures below 5°C

**Other products  
by Gradus →**

# Barrier Matting Systems



- A wide range of matting to suit most contract environments, for use in:
  - Exterior and interior entrances
  - Stairways
  - Foyers and reception areas
  - Lift lobbies
  - Warehouses
  - Vending and canteen areas
  - Office corridors and walkways
  - Service points
- Project management and installation service
- 5 day manufacturing service

An extensive range providing an effective barrier against dirt and moisture at entrances, access points and circulation areas.



- An effective barrier matting system will:
  - Reduce the amount of dirt and moisture walked into a building by up to 90%
  - Help reduce the risk of slip accidents
  - Improve the appearance and life cycle of internal floorcoverings and prevent unnecessary replacements
  - Reduce cleaning and maintenance costs
  - Help provide safe access for all users of buildings, including wheelchair users, in line with The Building Regulations 2000 : Approved Document M

**For more information on Barrier Matting Systems**

**call: 01625 428922**

**visit: [www.gradusworld.com](http://www.gradusworld.com)**

# Wall Protection Systems



Protection against damage caused by:



Luggage



Trolleys



Beds



Wheelchairs



Pedestrian traffic



Vehicles

Ideal for all contract applications, wall protection systems are proven to reduce ongoing maintenance and repair costs, increase the life cycle of the building and improve the overall appearance of the interior environment.



Handrails



Corner Guards



Sanparrel PVC-u Sheet



Door Protection



Wall Guards



For more information on Wall Protection Systems

call: 01625 428922

visit: [www.gradusworld.com](http://www.gradusworld.com)