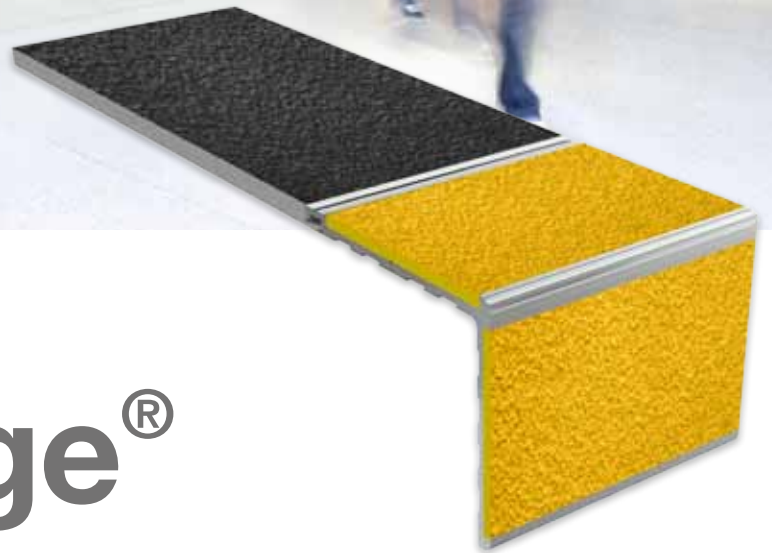


# GRADUS

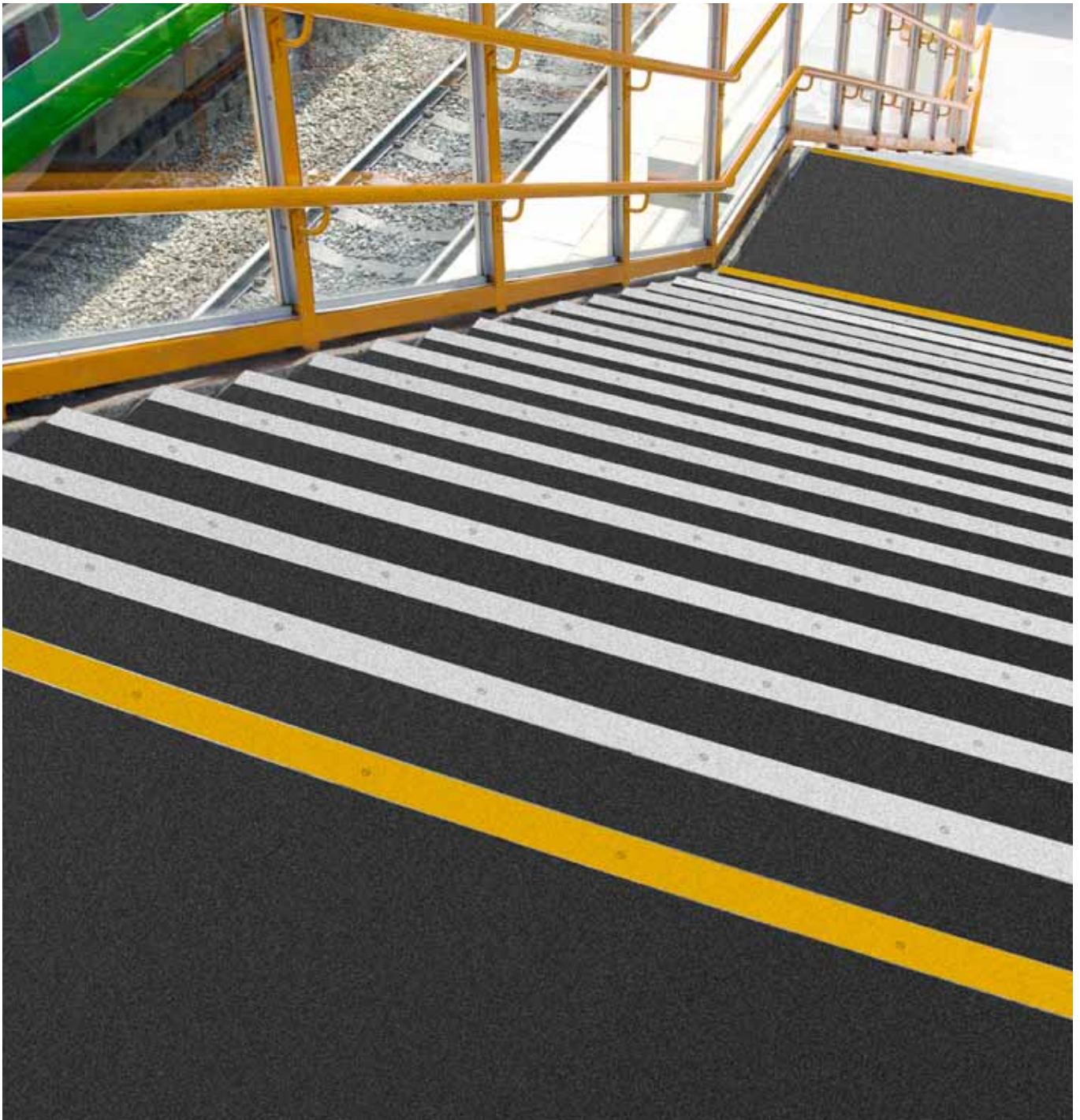


## Trans-Edge<sup>®</sup>

Heavy-Duty Stair & Floor System  
suitable for heavy traffic exterior &  
interior environments

# Trans-Edge<sup>®</sup>

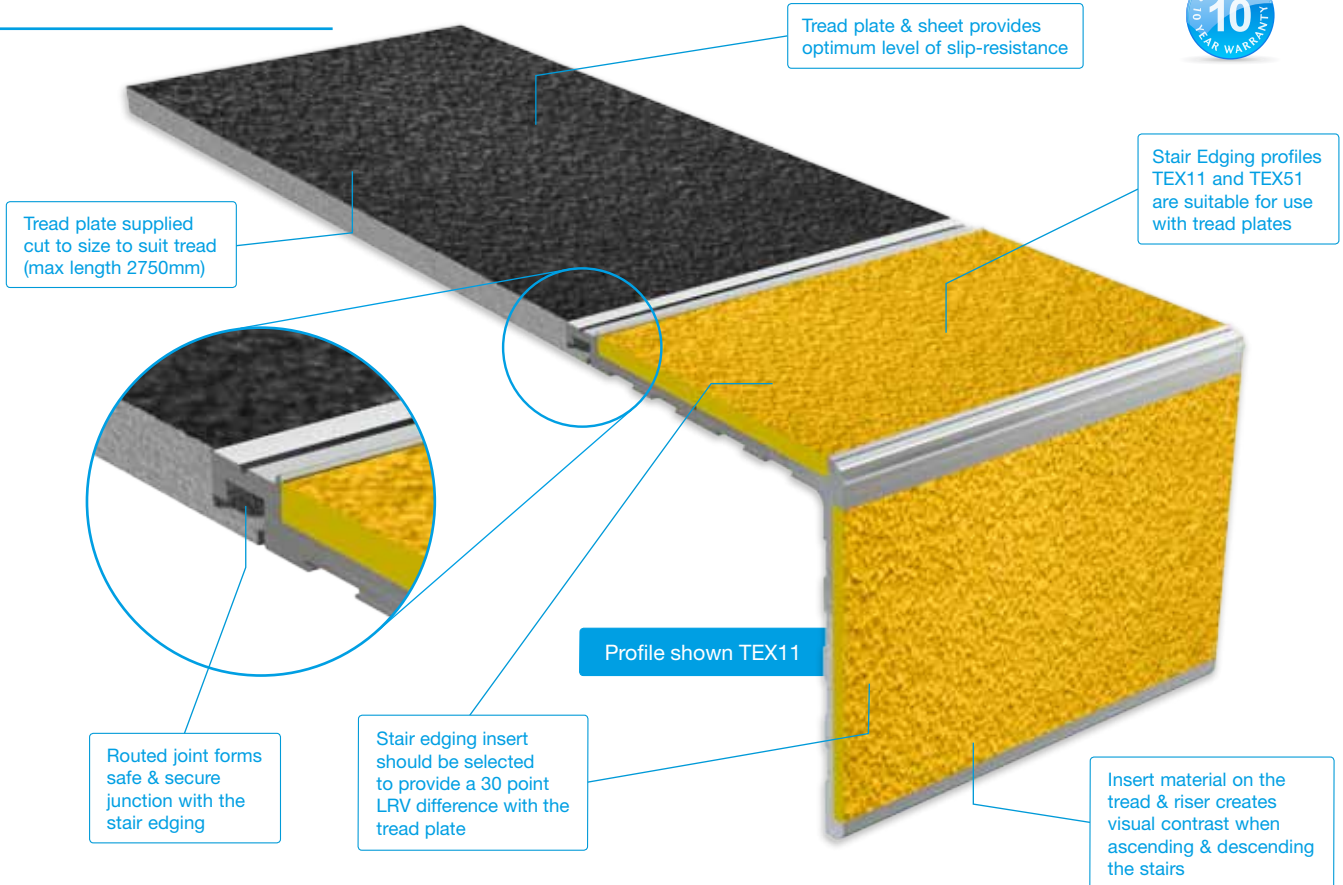
The Gradus Heavy-Duty Stair & Floor System offers a hard wearing solution to help reduce the risk of slips and trips in the most demanding environments. Ideal for use in internal/external applications, this system features stair edgings and tread plates for use on stairs and sheet material for use as a floorcovering on landings and walkways. Ideal for use in new applications as well as existing applications.



A typical station footbridge staircase installation (As recommended by the Department for Transport document - Accessible Train Station Design for Disabled People: A Code of Practice, Version 03)



## Product overview



## Tread plate (TEXPL) information

A durable slip-resistant tread covering designed to compliment Gradus heavy duty stair edgings

- Designed for use with TEX11 & TEX51
- Supplied cut to size (max length 2750mm)
- Tread Plates (TEXPL) are routed to provide a safe, neat junction with the stair edging
- Available in Charcoal only
- Available drilled on request (surcharge applies)
- Installed using adhesive and stainless steel screws (fixings not supplied/screw head covers not available)

## Colour options

\*Tread plates & sheet available in Charcoal only.  
Stair edging inserts available in all colours.

Avalanche	LRV: 73.00	Ash	LRV: 24.77
			
Charcoal*	LRV: 4.07	Firestorm	LRV: 43.96
			

## Sheet (TEXSH) information

A durable slip-resistant material that is ideal for covering landings and walkways

- TEXSH – up to 1220mm x 2750mm
- TEXSH is available routed if being used in conjunction with a TEX stair edging
- Must be drilled on site if required
- Installed using adhesive and stainless steel screws (fixings not supplied/screw head covers not available)

## Accessories

### Edging Ramp

TEXCR1 is used to provide a neat edge to sheet when used on landings and walkways as shown below

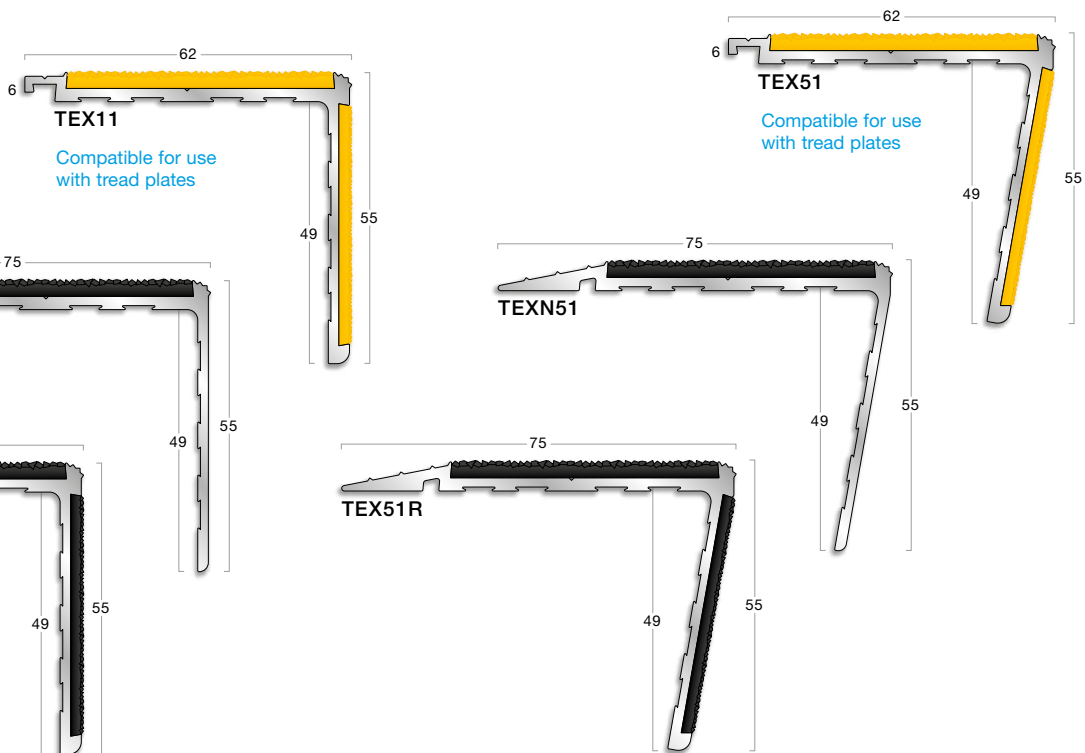
- Available drilled on request (surcharge applies)
- Supplied cut to size (max length 2750mm)



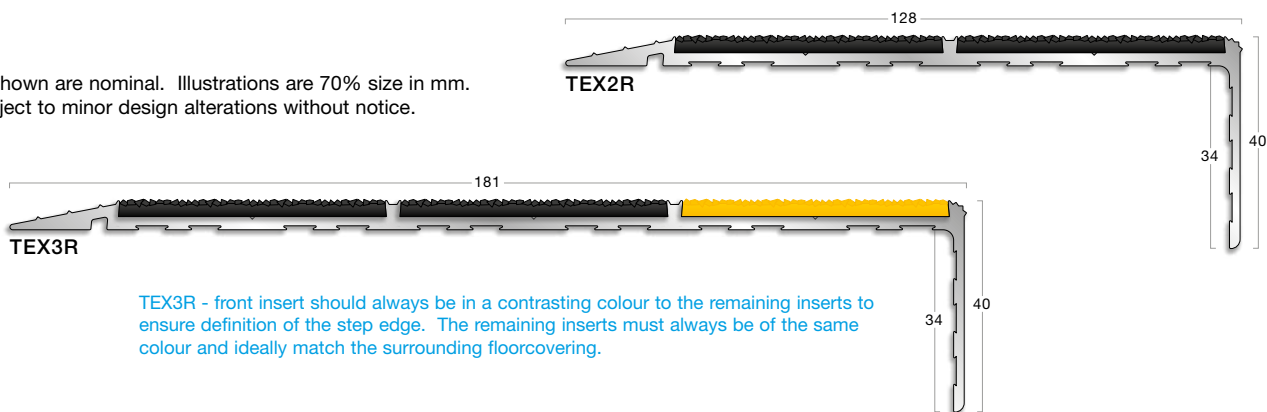
# Stair edging & associated product information

A range of heavy-duty aluminium stair edgings incorporating extremely durable slip-resistant insert materials

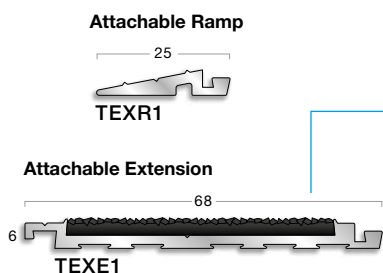
- Developed in line with guidance in BS8300:2009+A1:2010 and Approved Document M of The Building Regulations 2010
- Complies with guidance in BS9266:2013
- For use on most substrates including concrete, terrazzo and metal
- Supplied in cut lengths up to 2750mm
- Installed using stainless steel screws & adhesive (fixings not supplied/screw head covers not available)
- Available drilled on request (surcharge applies)



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



TEXR1 & TEXE1 available for use with TEX11 & TEX51 only.



Multiple pieces of the attachable extension profile (TEXE1) can be joined together to increase the slip-resistance along the depth of the tread.

When using two or more extension profiles (TEXE1), these inserts should be a contrasting colour to the stair edging insert (TEX11 or TEX51) to ensure definition of the step edge.

The extension profile inserts (TEXE1) must always be of the same colour and ideally match the surrounding floor finish if the whole of the tread is not covered.

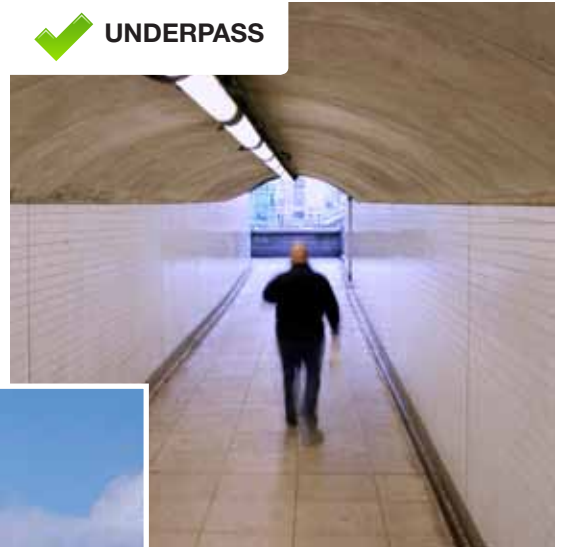
# Trans-Edge®

Typical applications include:

✓ FOOT BRIDGES



✓ UNDERPASS



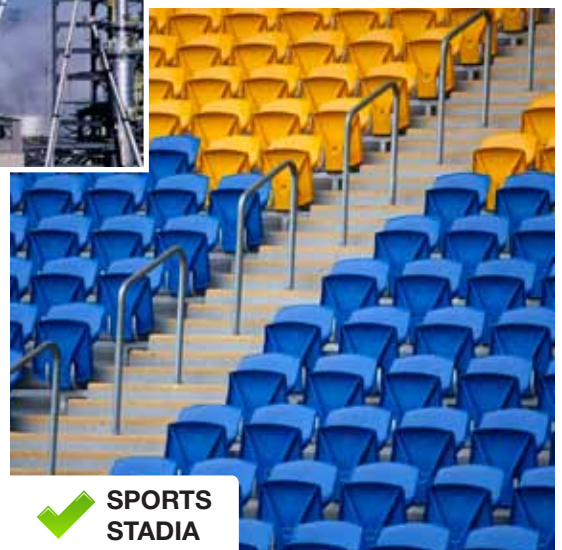
✓ HEAVY INDUSTRY



✓ TRANSPORT TERMINALS



✓ SPORTS STADIA



## Product information:

A heavy-duty stair & floor system comprising stair edgings, tread plate and sheet. Products feature a slip-resistant, extremely durable material and are suitable for both interior and exterior applications such as footbridges, underpasses, railways stations, airports, sports stadia, arenas and heavy industry.

## Specification:

Stair Edging Channel .....		Mill finish aluminium available in cut lengths up to 2750mm
Insert, tread plate and sheet ...		Extremely durable slip-resistant insert material
Environment .....		Interior or exterior
Gauge .....	Stair Edgings	Flat back profiles can be set into substrate in-situ or can be butt jointed to an existing floor finish
	Tread plate/sheet	Ramp back profiles can be surface mounted on to substrate
Installation .....	Stair Edgings	5mm
	Tread plate/sheet	All inserts are pre-bonded. Profiles can be supplied pre-drilled and cut to size. (Screw head cover plugs not available.)
		Installed with stainless steel screws and adhesive. Tread plates and sheet can be cut to size and routed. Tread plates can be supplied pre-drilled. (Screw head cover plugs not available.)
		Fixing instructions are available at <a href="http://www.gradusworld.com">www.gradusworld.com</a>

## Performance:

Accelerated wear test using a SATRA Pedatron to 1 million footfalls  
Accelerated UV weathering test  
Chemical resistance tested to ISO175 (SATRA)

## Warranty:



10 year warranty against material and manufacturing defects under normal use and service, subject to materials being installed and maintained to our recommendations.

## Testing:

Pendulum Test Value (PTV)	Slip Potential
0 - 24	High Slip Potential
25 - 35	Moderate Slip Potential
36+	Low Slip Potential

### Trans-Edge™ TEX Profiles, Tread Plate & Sheet

Dry Conditions Low (PTV Av. 76)

Wet Conditions Low (PTV Av. 67)



BS8300:2009+A1:2010 - a PTV of at least 36 is required irrespective of wet or dry conditions (see page 133 of Gradus Stair Edgings & Floor Trims catalogue)

### Light Reflectance Values (LRVs)

These values have been determined with reference to the CIE Tristimulus Y109 illuminant D65 and the 10° colorimetric observer, in accordance with BS8493 : 2008. The Y co-ordinate represents lightness and extends from 0 (black) to 100 (white) and has been used as a measure of light reflectance values (LRVs).

All Gradus products have an LRV rating, including stair edgings, skirtings, matting & wall protection, to aid with creating an inclusive environment in line with the Equality Act 2010. Individual colour sheets are available from Gradus Technical Support.

For additional information or advice on LRVs, how they relate to Gradus products or a copy of a test report contact Gradus Technical Support on 01625 428922.

# GRADUS

Gradus Accessories Park Green Macclesfield Cheshire SK11 7LZ England UK Tel: 01625 428922 Fax: 01625 433949

For enquiries outside the UK and Eire contact Gradus International on +44 (0)1625 613780

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