

# GRADUS

**Don't take the risk!**

## **Create safe stairs**

Your **3** step guide to selecting the correct stair edgings

# Your 3 step guide to selecting the correct stair edging

Whether you are installing 20 flights in a commercial office building or three steps in a doctor's surgery, the same guidelines apply for creating safe, accessible staircases.

Get it wrong and it could cost you a great deal more than just the replacement. Over 100,000 injuries are reported on non-domestic stairs every year, resulting in over 100 deaths. Approved Documents M & K of The Building Regulations 2010, BS 8300:2009+A1:2010 and BRE\* (Information Paper IP15/03 Proprietary nosings for non-domestic stairs) contain best practice guidelines aimed at ensuring buildings are accessible to all users and safe to use.

The information contained in our simple three step guide is based on this guidance and, therefore, ensures that you are taking the right steps in selecting the safest stair edging for your installation. \* BRE - formerly Building Research Establishment

1

## Choose the right stair edging for the step

### Specification Guidelines

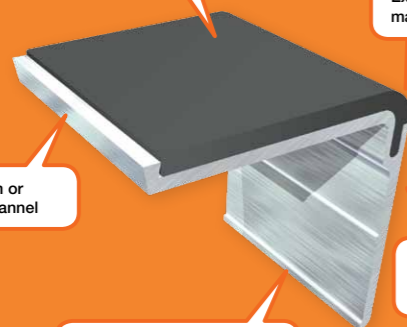
**BS 8300:2009+A1:2010** refers to research undertaken by **BRE**. This research shows that if the depth of the tread is less than 300mm the risk of an overstep is increased. A stair edging that wraps around the riser will reduce this risk by increasing the slip-resistance at the step edge.

**Gradus XT stair edgings offer a wide range of profiles that satisfy all the latest building standards and guidelines and accommodate a wide range of floorcoverings.**

Choice of square, rake back or bullnose profiles



Extended insert design ensures maximum safety under foot



Choice of aluminium or PVC-u Hardnose channel

Recess to accommodate floorcovering ensures secure fit of profile to step

Backing points help to hold floorcovering in place

2

## Select the correct slip-resistance for the conditions

### Specification Guidelines

**BS 8300:2009+A1:2010** refers to the slip-resistance of surface finishes on stairs. A pendulum test is used to assess slip-resistance and a Pendulum Test Value (PTV) of greater than 36 is required in both dry conditions and also when the stairs are at risk of becoming wet through walked in moisture and spillages.

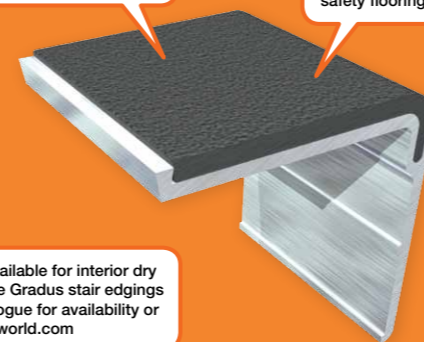
**Gradus Xtra-grip insert minimises the risk of slip in dry and wet interior conditions and ensures that the requirements of BS 8300:2009+A1:2010 and the latest building standards and guidance are met.**

Xtra-grip insert:

- Provides slip-resistance in interior wet & dry conditions
- Slip potential in dry conditions Low (PTV Av. 70). Slip potential in wet conditions Low (PTV Av. 64)
- 11 colour options

Select Xtra-grip Plus for interior areas likely to become wet and subject to more frequent cleaning e.g. kitchens and canteens

Ideal for use with safety flooring



Inserts are also available for interior dry conditions, see the Gradus stair edgings & floor trims catalogue for availability or visit: [www.gradusworld.com](http://www.gradusworld.com)

3

## Choose a colour that visually contrasts

### Specification Guidelines

**BS 8300:2009+A1:2010 & Approved Documents M (ADM) & K (ADK)** of The Building Regulations 2010 highlight the need to ensure there is sufficient visual contrast at the step edge, providing a safe environment for all building users.

Project Rainbow and ADM recommend that there is at least a 30 point difference between the LRVs of the stair edging and floorcovering to achieve a suitable contrast.

**All Gradus stair edging colours are measured for Light Reflectance Values (LRVs), allowing you to make the right decision when selecting colour in accordance with BS 8493:2008+A1:2010.**



Two different colours?



This is what it could look like to someone with a visual impairment

Open and keep for your quick reference guide

# GRADUS Your 3 step guide to selecting the correct stair edging

1

## Choose the right stair edging for the step

### Specification Guidelines

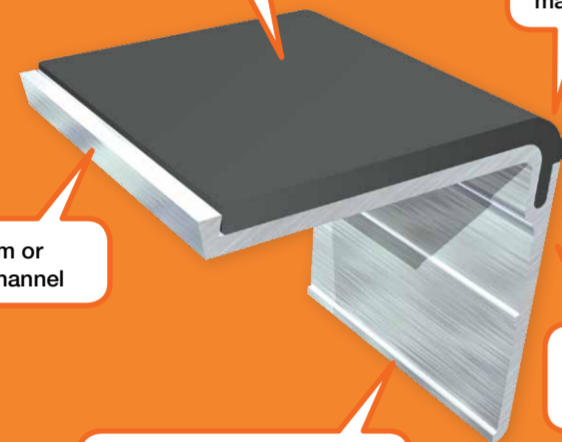
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Extended insert design ensures maximum safety under foot



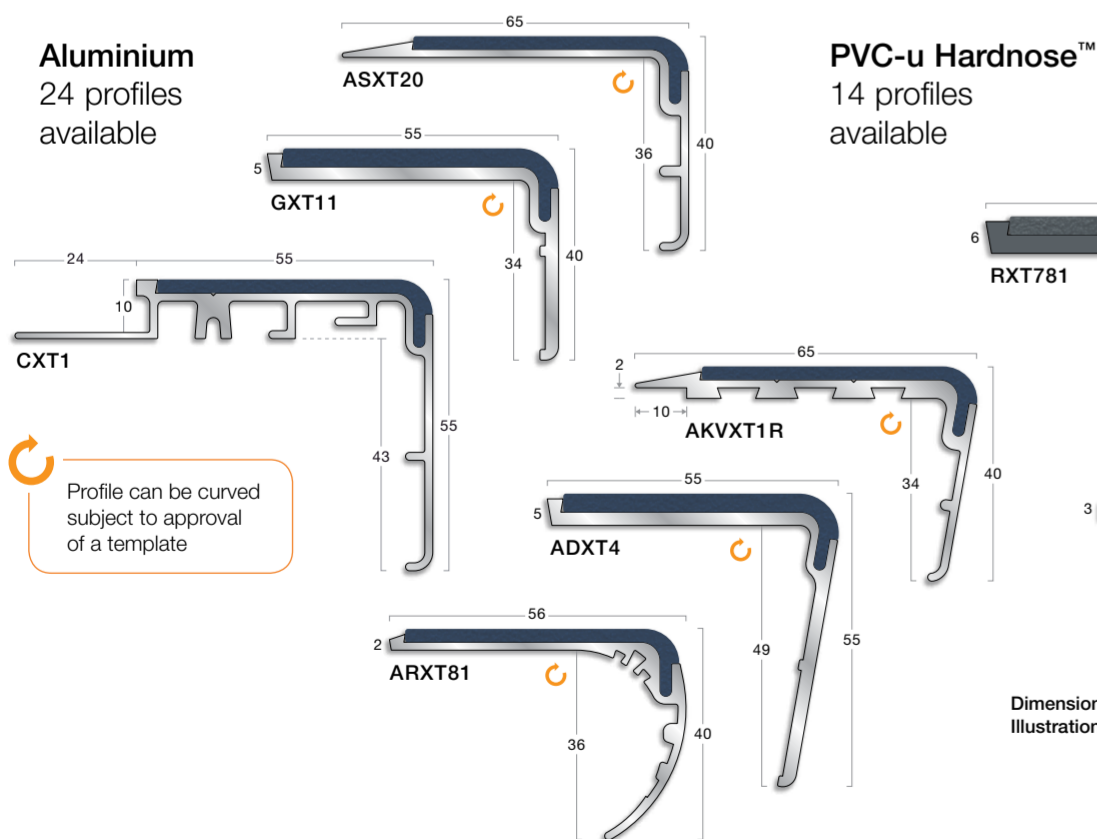
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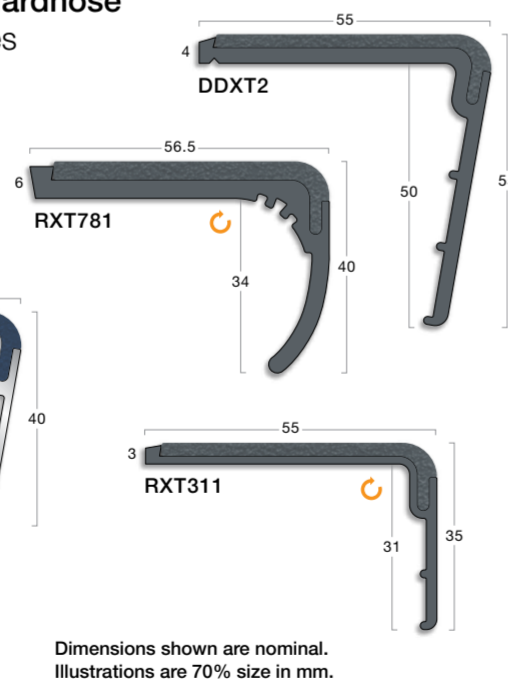
Backing points help to hold floorcovering in place

### XT™ Stair Edgings

Aluminium  
24 profiles available



PVC-u Hardnose™  
14 profiles available



Dimensions shown are nominal. Illustrations are 70% size in mm.

For the full range of XT profiles visit [www.gradusworld.com](http://www.gradusworld.com)

2

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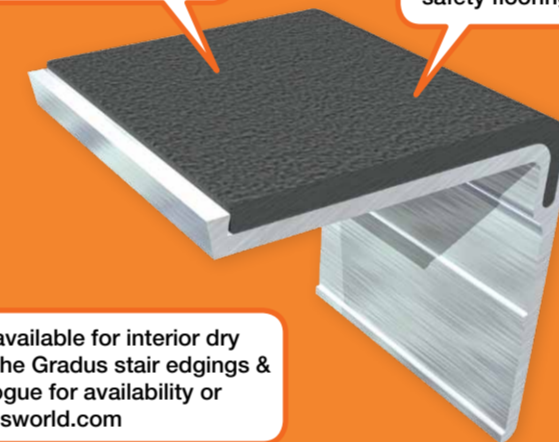
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Ideal for use with safety flooring



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### Xtra-grip™ Insert

<b>Carbon</b>	LRV: 5.01	<b>Oat</b>	LRV: 50.66	<b>Deepsea</b>	LRV: 5.94
<b>Zest</b>	LRV: 51.11	<b>Truffle</b>	LRV: 7.85	<b>Breeze</b>	LRV: 51.13
<b>Rock</b>	LRV: 10.91	<b>Pampas</b>	LRV: 53.04	<b>Pebble</b>	LRV: 27.61
<b>Iceberg</b>	LRV: 81.58	<b>Vapour</b>	LRV: 39.74		

For the full range of inserts available visit [www.gradusworld.com](http://www.gradusworld.com)

3

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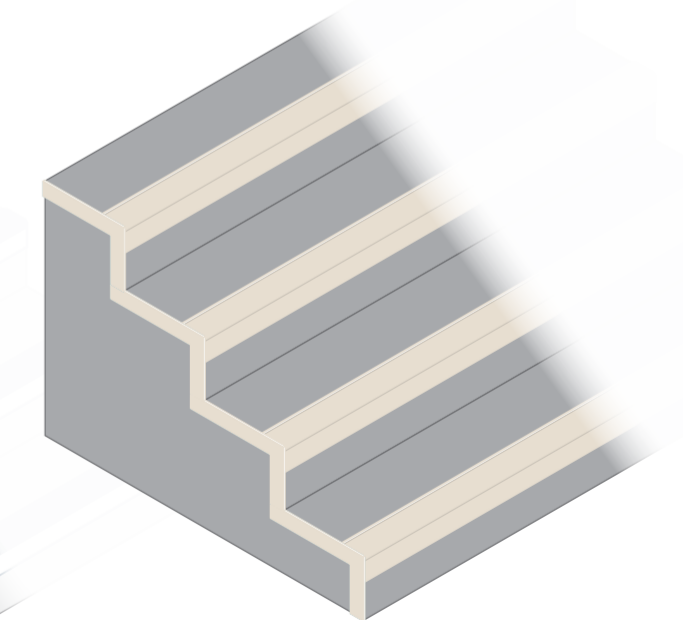
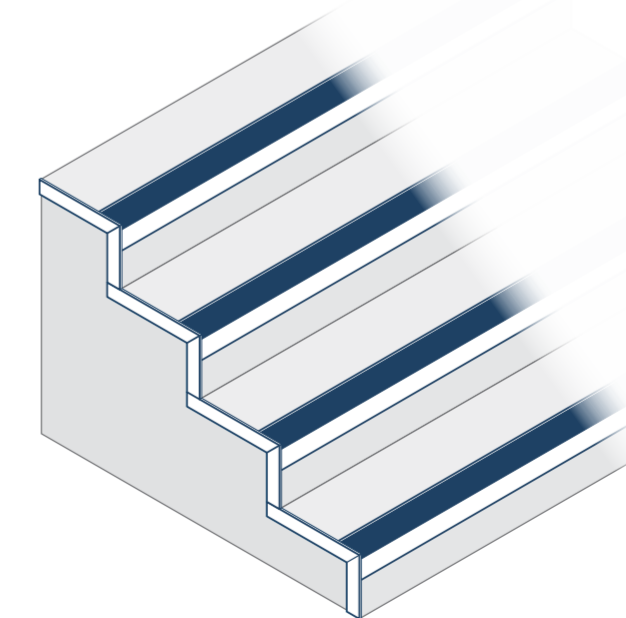
Two different colours?



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### Aluminium

Choose an insert colour that visually contrasts with the floorcovering to define the step edge



For the full range of PVC-u Hardnose™ channel colours available visit [www.gradusworld.com](http://www.gradusworld.com)



Call Gradus Technical Support free on 0800 021 4534\*

\* Calls from mobiles will be charged. Charges vary depending on network.



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

# Need additional help with Gradus stair edgings? Call Gradus Technical Support free on 0800 021 4534\*

*\*Calls from mobiles may be charged.*

Visit [www.gradusworld.com](http://www.gradusworld.com) to download installation instructions, cleaning & maintenance guidelines, AutoCAD drawings and full product information



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