

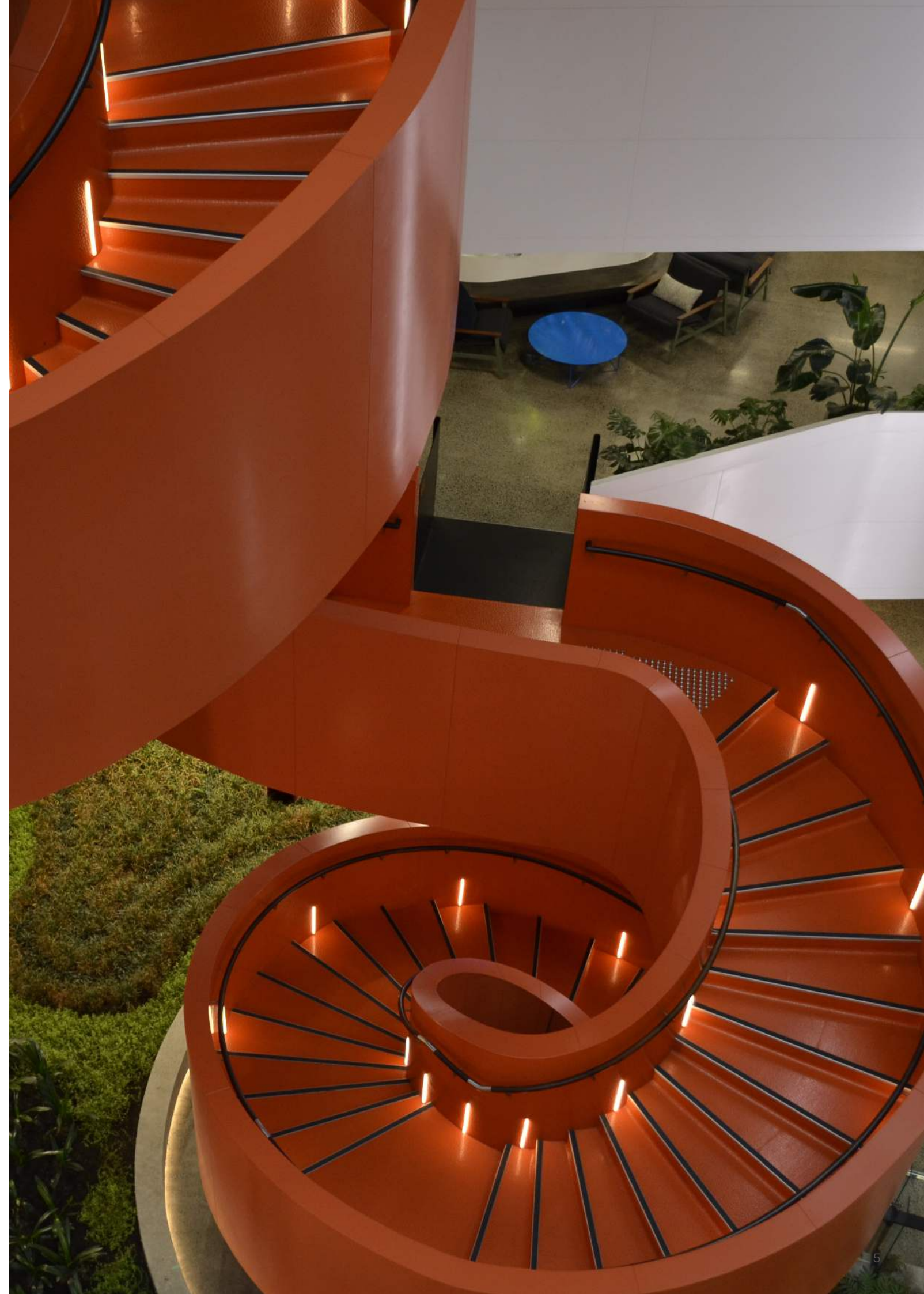
# Tredsafe®



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Proudly New Zealand-owned and family-operated, Tredsafe has been crafting safety solutions for the flooring industry since 1982, spanning three generations.

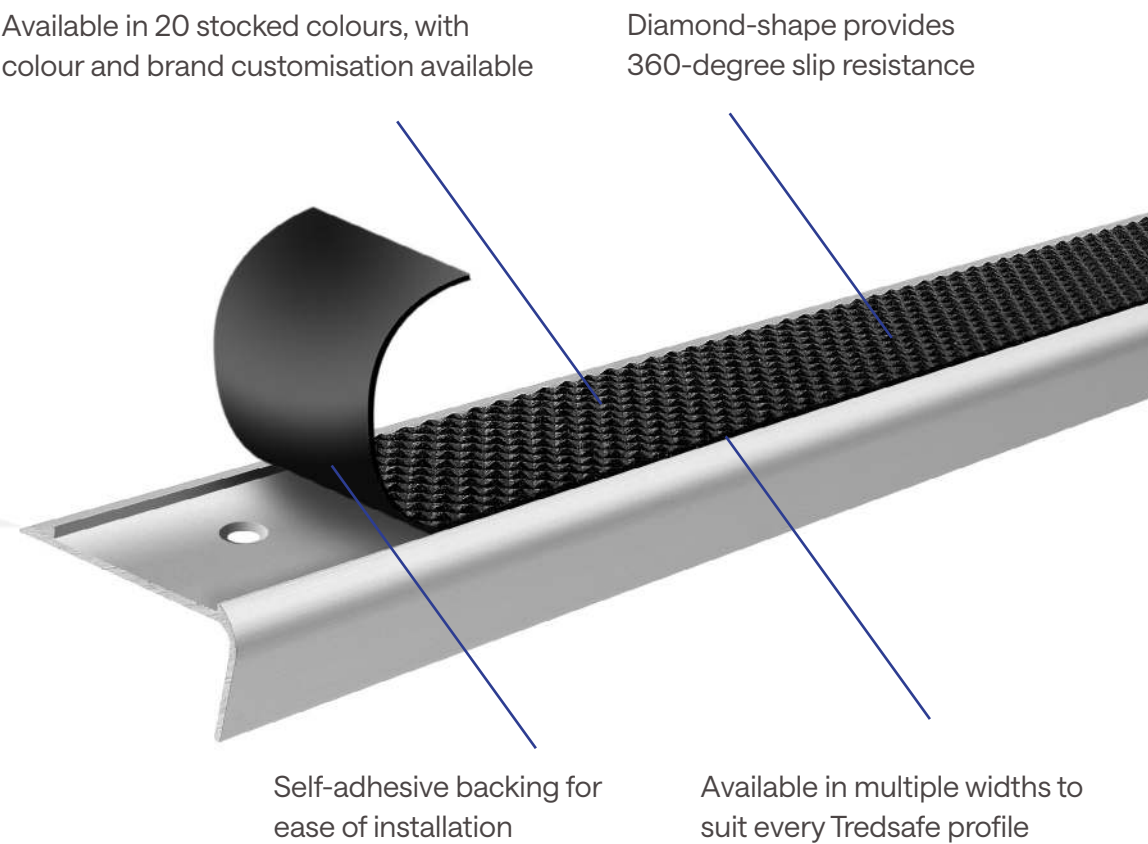
After years of experience in the industry, we recognised that existing safety materials didn't meet the durability demands we required. Extensive research led us to develop our own unique product, Diamondtred, right here in New Zealand. We perfected a formula that delivers the reliability, functionality, and design excellence we stand for. While it's been embraced by Kiwis for decades, our reputation has grown internationally across four continents and twelve countries.



# The Diamondtred Difference

## Diamonds in the rough

Our unique stair nosing inserts stands out worldwide, featuring sustainably sourced sand from New Zealand’s Taporā region. Combined with a raised diamond shape, this innovation delivers exceptional 360-degree slip resistance. Built to last, it’s engineered to endure heavy use with minimal wear and tear, providing long-term safety and durability you won’t find anywhere else.



Visit [page 50](#) for more information

## Ordering tips

Stair Nosings	<p>The maximum length is 3.66m (or 2.5m for contoured variants and friction bars). When specifying or ordering you need to advise:</p> <ul style="list-style-type: none"><li>• The product code</li><li>• The finish or colour</li><li>• Quantity required</li></ul>
Inserts	<p>The maximum lengths of our inserts are 25m. When specifying or ordering you need to advise:</p> <ul style="list-style-type: none"><li>• Colour (stocked or custom)</li><li>• Length required</li></ul> <p>Optional</p> <ul style="list-style-type: none"><li>• If multiple inserts required, advise if you want to mix and match colours</li></ul>
Aluminium Transitions and Edging	<p>Supplied in 2.5m lengths. When specifying or ordering you need to advise:</p> <ul style="list-style-type: none"><li>• Product code</li><li>• Finish</li><li>• Number of lengths required</li></ul>
PVC Edging	<p>Supplied in 20m or 25m coils (see product details). When specifying or ordering you need to advise:</p> <ul style="list-style-type: none"><li>• Product code</li><li>• Colour</li><li>• Number of coils required</li></ul>
Matting	<p>CONNEX is sold per 1sqm/box. When specifying or ordering you need to advise:</p> <ul style="list-style-type: none"><li>• Number of boxes required</li><li>• Add DT080 if an entrance matt ramp or framing is required</li></ul>

Be sure to check with your local distributor on what information they require for ordering



# Australian Compliance



Tredsafe’s full product range is available in Australia. Please be aware that some products may be subject to specific requirements under AS1428\*

We have developed an icon to help you find the products which are AS1428 compliant, look out for it throughout our catalogue.

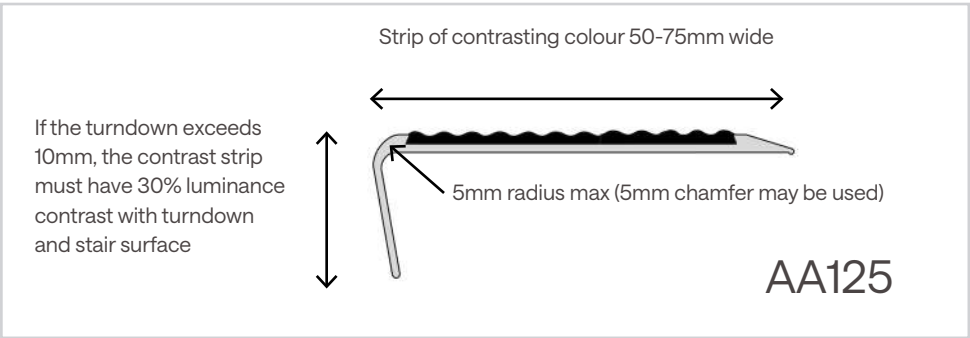


\*Check with your local distributor to confirm compliance for your project

## Compliance Summary

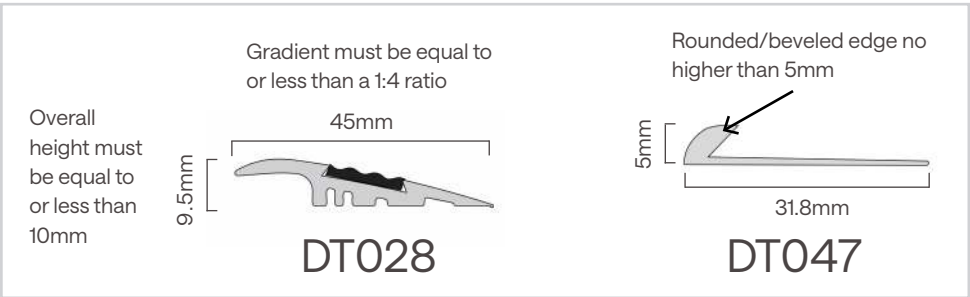
- Stair Nosing

  - If the contrast strip extends down the riser, then it should not exceed 10mm to avoid any confusion about the steps edge
  - If the vertical edge (turndown) is more than 10mm, the contrast strip should have at least 30% luminance contrast with both the turndown and the stair surface
  - Single strip of non-slip material between 50-75mm in width
  - Stair nosings should have a sharp intersection, be rounded up to 5mm radius, or be chamfered up to 5mm x 5mm



- Transitions

  - Carpet trim and mat edges shall have a vertical face no higher than 3mm, or a rounded/beveled edge no higher than 5mm
  - Those transitions greater than 5mm must have a ramp transition gradient of 1:4 up to a maximum of 10mm



- Fire Resistance

Specification C1.10a of the NCC 2019 Volume One Amendment 1, states that a floor material of floor covering must have:

  - a) A critical radiant flux (CRF) between 1.2 - 4.5, dependant on the building and location.

**Tredsafe exceeds this requirement with a CRF of 10.3**

  - b) In a building not protected by a sprinkler system, a maximum smoke development rate of 750 percent-minutes.

**Tredsafe products have an average of 85 percent-minutes.**

- Slip Resistance










When tested in accordance with AS4586, the stair nosing must comply with a slip resistance of P3 in dry conditions and P4 in wet conditions. This consists of two tests, the wet pendulum test and the oil-wet inclining platform test.

**Tredsafe inserts meet these classifications with a P4 in wet /dry conditions.**



# Stair Nosing Matrix



		Stair nosing style				
		 Small Drop (10mm drop on riser)	 Straight Drop (26-47mm drop on riser)	 Bullnose (15-39mm drop on riser)	 Rakeback (23-36mm drop on riser)	 No Drop
Floor Covering	 Bare	AA128* (p20)	–	–	AA125* (p20)	AA129 (p38)
		AA138* (p21)	–	–	AA207 (p21)	AA231 (p39)
		–	–	–	AA347 (p21)	AA137 (p39)
	 Carpeted	AA124* (p17)	AA123* (p16)	AA345 (p18)	–	–
		AA134* (p17)	–	AA121 (p16)	–	–
		–	–	EL165 (p19)	–	–
		–	–	UP121 (p18)	–	–
	 Vinyl	AA110* (p23)	AA108 (p23)	AA115 (p24)	AA107 (p22)	–
		AA130* (p25)	AA114 (p24)	–	AA216 (p25)	–
		–	AA109 (p23)	–	AA106 (p22)	–
		–	UP117 (p25)	–	–	–
	 Tile	–	–	AA252 (p26)	–	–

\* Contoured profile available





# Transition Matrix

Height variation between flooring

Flooring		0-2 <sub>mm</sub> Height Variation	2-5 <sub>mm</sub> Height Variation	5-10 <sub>mm</sub> Height Variation	10-20 <sub>mm</sub> Height Variation
		DT022* (p30)	DT024 (p30)	DT084 (p33)	DT080 (p49)
	Carpet to Vinyl	DT027 (p31)	DT030* (p31)	DT085 (p33)	–
		DT029 (p38)	DT040 (p33)	DT086 (p33)	–
		DT033* (p31)	–	–	–
		DT036 (p32)	–	–	–
		DT038* (p32)	–	–	–
		–	DT065* (p35)	DT028 (p34)	DT080 (p49)
	Carpet/ Vinyl/LVT to Bare Floor	–	DT047* (p35)	DT031* (p34)	–
		–	–	DT064* (p35)	–
		–	–	DT043 (p36)	DT044 (p36)
		–	–	DT070 (p37)	DT071 (p37)
	Hard Flooring Variable Height Difference	–	–	DT070 (p37)	DT071 (p37)

\* Contoured profile available



# Stair Nosing

Tredsafe’s stair nosing serves both safety and aesthetic purposes. They protect the edges of the stairs from wear and tear, while adding anti-slip and visual definition to each step to reduce the risk of accidents. Designed to suit all applications and environments, our anti-slip stair nosing treads provide superior traction and visibility.

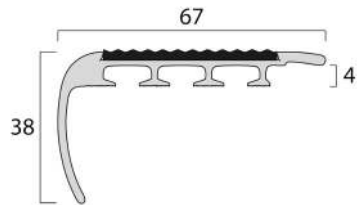
Key features	<ul style="list-style-type: none"><li>• Available in different materials including anodised aluminium, or rigid PVC</li><li>• Best-sellers are available in different anodised colours</li><li>• Nosing inserts come in a variety of 20 stocked colours</li><li>• Standard 3.66m lengths<ul style="list-style-type: none"><li>- Supplied pre-drilled for screw fixing and easy installation</li></ul></li></ul>
Applicable floor covering	<ul style="list-style-type: none"><li>• Carpeted</li><li>• Uncovered</li><li>• Timber</li><li>• Ceramic tile</li><li>• Vinyl</li></ul>
Customisations	<p>If you have a unique requirement, Tredsafe has customisation options available for you including:</p> <p><b>Bringing your design to life</b></p> <ul style="list-style-type: none"><li>• Custom branded inlays</li><li>• Custom insert colours</li></ul> <p><b>Solving tricky flooring requirements</b></p> <ul style="list-style-type: none"><li>• Custom profiles</li><li>• Contoured profiles</li></ul> <p><b>Stair visibility in dark conditions</b></p> <ul style="list-style-type: none"><li>• LED capable profile</li><li>• Glow in the dark inserts (Lumitred and Zebron)</li></ul> <p>Go to pages 54-59 to find out more information.</p>

Vinyl  
Carpet  
Uncovered  
Timber  
Ceramic



# Stair nosing Carpeted

## AA121




- 1 x 43mm insert
- 38mm bullnose drop on riser



1 x 43mm  
Insert


Interior/  
Exterior

Material


Anodised  
Aluminium

Finishes


Natural  
Satin

Compliance

CAN

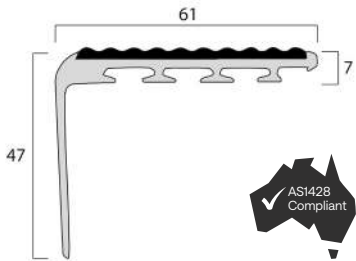
US

EU

NZ




## AA123 AA123CN\*



- 1 x 53mm insert
- 47mm right angle drop on riser
- Contoured profile available (AA123CN)
- Zebtron compatible (not on contoured)


1 x 53mm  
Insert


Interior/  
Exterior


Contoured  
Profile  
Available

Material


Anodised  
Aluminium

Finishes


Natural  
Satin


Black


Bronze


Brass

Compliance

CAN

US

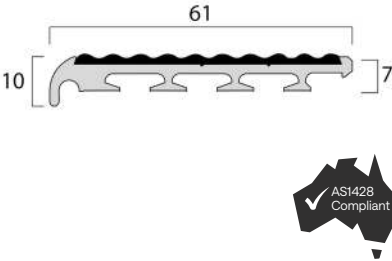
EU

NZ

AUS



## AA124 AA124CN\*




- 1 x 53mm insert
- 10mm drop on riser
- Contoured profile available (AA124CN)
- Zebtron compatible (not on contoured)


1 x 53mm  
Insert


Interior/  
Exterior


Contoured  
Profile  
Available

Material


Anodised  
Aluminium

Finishes


Natural  
Satin

Compliance

CAN

US

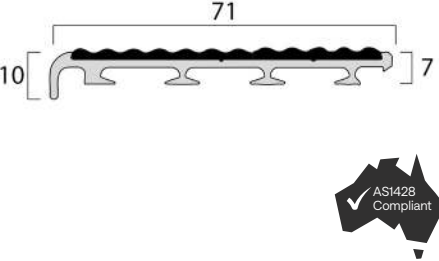
EU

NZ

AUS



## AA134 AA134CN\*




- 1 x 63mm insert or 1 x 53mm insert with a 10mm glow strip insert
- 10mm drop on riser
- Contoured profile available (AA134CN)
- Zebtron compatible (not on contoured)


1 x 53mm +  
10mm insert  
OR 1 x 63mm



Interior/  
Exterior


Contoured  
Profile  
Available

Material


Anodised  
Aluminium

Finishes


Natural  
Satin

Compliance

CAN

US

EU

NZ

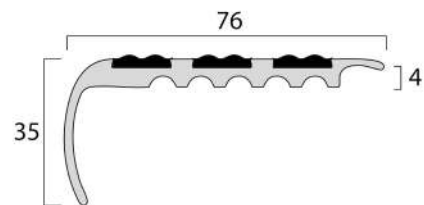
AUS





Stair nosing  
Carpeted

AA345



- 3 x 13mm inserts – can be ordered in different colours
- 35mm bullnose drop on riser



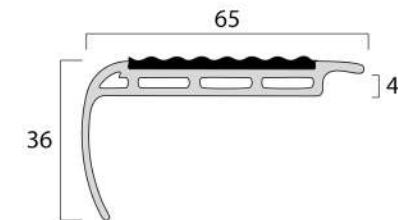
Material	Finishes
Anodised Aluminium	Natural Satin

Compliance

CANUSEUNZ



UP121



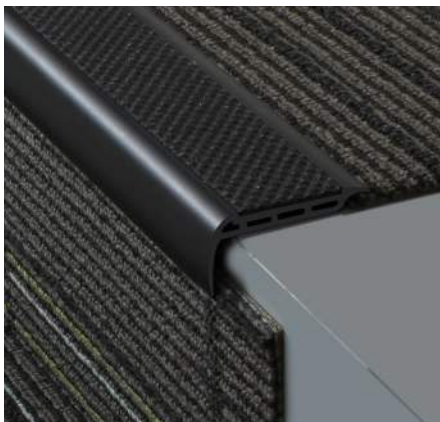
- 1 x 43mm insert
- 36mm bullnose drop on riser



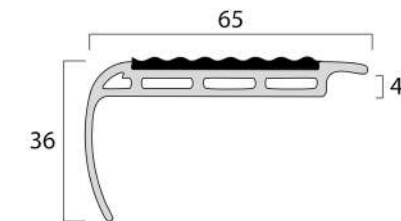
Material	Finishes
Rigid PVC	Black Charcoal

Compliance

CANUSEUNZ



EL165  
(LED)



- 1 x 43mm insert
- 36mm bullnose drop on riser
- Requires 12v or 24v power supply
- LED strip multi-colour or single colour



Material	Finishes
Rigid PVC	Clear

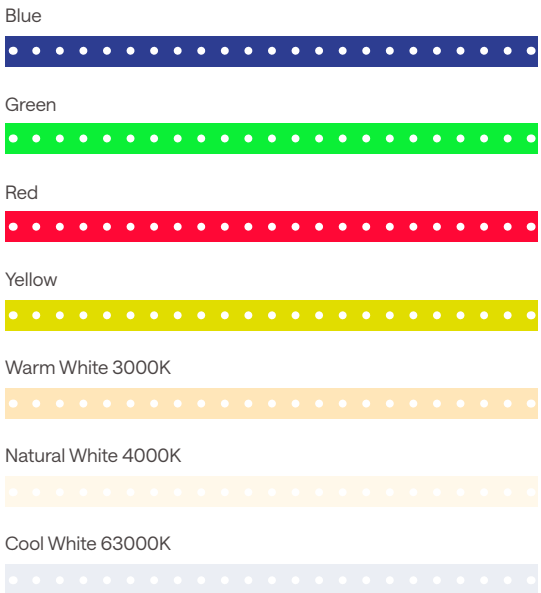
Compliance

CANUSEUNZ



Illuminated  
Colour Options

Single Colour



Multi-Colour

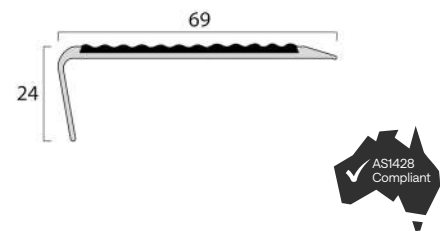
RGB. All colour options within the colour line. Remote or wall mounted colour wheel can be added.





# Stair nosing Uncovered/Bare

AA125  
AA125CN\*



- 1 x 53mm insert
- Ramped back edge to avoid trip hazards on uncovered stairs
- 24mm rake back drop on riser
- Contoured profile available (AA125CN)



Material
 

Anodised Aluminium

Finishes
 

Natural Satin
 
 Black
 
 Bronze
 
 Brass

Compliance
 

CAN

US

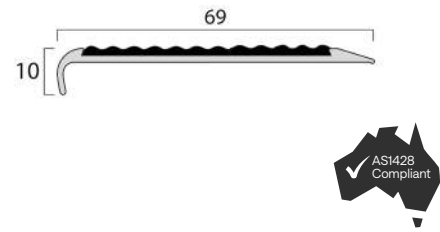
EU

NZ

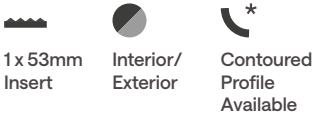
AUS



AA128  
AA128CN\*



- 1 x 53mm insert
- Ramped back edge to avoid trip hazards on uncovered stairs
- 10mm drop on riser
- Contoured profile available (AA128CN)



Material
 

Anodised Aluminium

Finishes
 

Natural Satin

Compliance
 

CAN

US

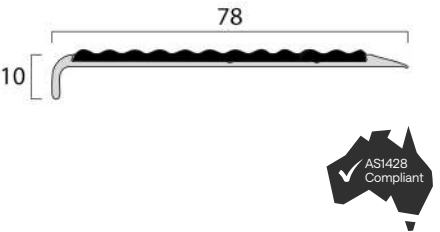
EU

NZ

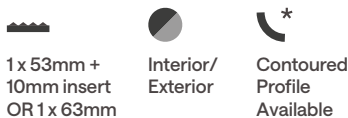
AUS



AA138  
AA138CN\*



- 1 x 63mm insert or 1 x 53mm insert with a 10mm glow strip insert
- Ramped back edge
- 10mm drop on riser
- Zebtron compatible (not on contoured)
- Contoured profile available (AA138CN)



Material
 

Anodised Aluminium

Finishes
 

Natural Satin

Compliance
 

CAN

US

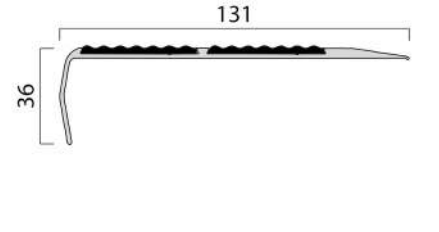
EU

NZ

AUS



AA207



- 2 x 43mm inserts – can be ordered in different colours
- Ramped back edge to avoid trip hazards on uncovered stairs
- 36mm universal drop on riser



Material
 

Anodised Aluminium

Finishes
 

Natural Satin

Compliance
 

CAN

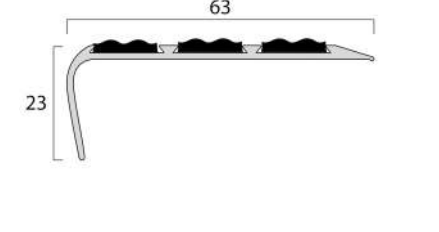
US

EU

NZ



AA347



- 3 x 13mm inserts – can be ordered in different colours
- Ramped back edge to avoid trip hazards on uncovered stairs
- 23mm drop on riser



Material
 

Anodised Aluminium

Finishes
 

Natural Satin

Compliance
 

CAN

US

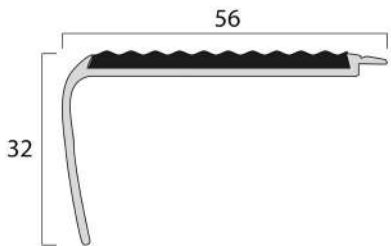
EU

NZ

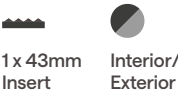


# Stair nosing Vinyl

AA106



- 1 x 43mm insert
- Back rebated edge to hide join with vinyl
- 32mm drop on riser



Material	Finishes
Anodised Aluminium	Natural Satin

Compliance

CAN

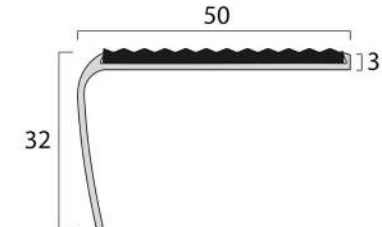
US

EU

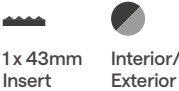
NZ



AA107



- 1 x 43mm insert
- Butt join to vinyl, recess or install in conjunction with a packer for higher floor coverings
- 32.5mm rake back drop on riser



Material	Finishes
Anodised Aluminium	Natural Satin Black Bronze Brass

Compliance

CAN

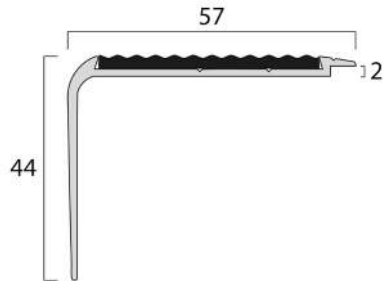
US

EU

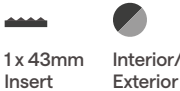
NZ



AA108



- 1 x 43mm insert
- Back rebate to hide join with 2mm vinyl
- 44mm right-angle drop on riser



Material	Finishes
Anodised Aluminium	Natural Satin

Compliance

CAN

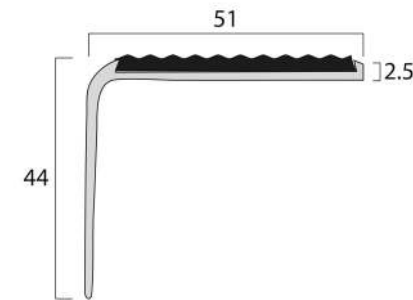
US

EU

NZ



AA109



- 1 x 43mm insert
- Butt join to vinyl, recess or install in conjunction with a packer for higher floor coverings
- 44mm drop on riser



Material	Finishes
Anodised Aluminium	Natural Satin

Compliance

CAN

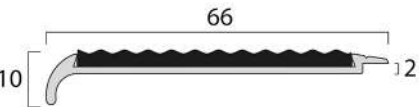
US

EU

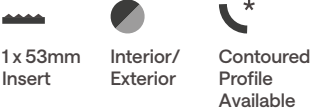
NZ



AA110  
AA110CN\*



- 1 x 53mm insert
- Back rebate to hide join with 2mm vinyl
- 10mm drop on riser
- Contoured profile available (AA110CN)



Material	Finishes
Anodised Aluminium	Natural Satin

Compliance

CAN

US

EU

NZ

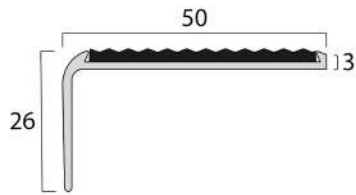
AUS



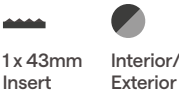


Stair nosing  
Vinyl

AA114



- 1 x 43mm insert
- Butt join to vinyl, recess or install in conjunction with a packer for higher floor coverings
- 26mm right angle drop on riser

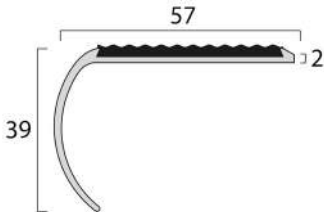


Material	Finishes
Anodised Aluminium	Natural Satin

Compliance			
CAN	US	EU	NZ



AA115



- 1 x 43mm insert
- Butt join to vinyl, recess or install in conjunction with a packer for higher floor coverings
- 39mm bullnose drop on riser

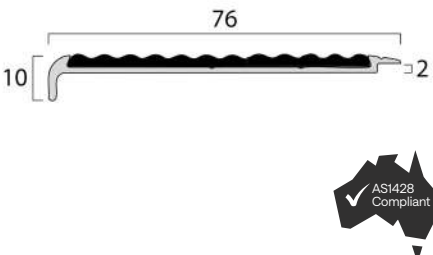


Material	Finishes
Anodised Aluminium	Natural Satin

Compliance			
CAN	US	EU	NZ



AA130  
AA130CN\*



- 1 x 63mm insert or 1 x 53mm insert with a 10mm glow strip insert
- Back rebated edge to hide join with vinyl
- 10mm drop on riser
- Zebtron compatible (not on contoured)
- Contoured profile available (AA130CN)

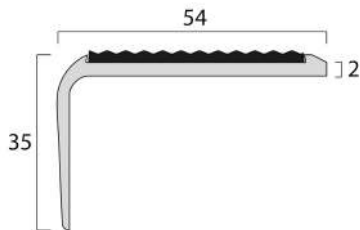


Material	Finishes
Anodised Aluminium	Natural Satin

Compliance				
CAN	US	EU	NZ	AUS



UP117



- 1 x 43mm insert
- Butt join to vinyl, recess or install in conjunction with a packer for higher floor coverings
- 35mm right angle drop on riser

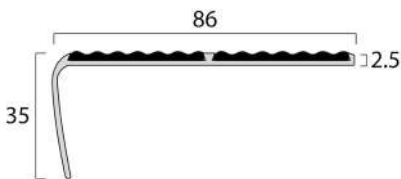


Material	Finishes
Rigid PVC	Black

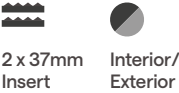
Compliance			
CAN	US	EU	NZ



AA216



- 2 x 37mm inserts – can be ordered in different colours
- Butt join to vinyl, recess or install in conjunction with a packer for higher floor coverings
- 35mm rake back drop on riser



Material	Finishes
Anodised Aluminium	Natural Satin

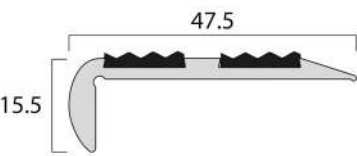
Compliance			
CAN	US	EU	NZ



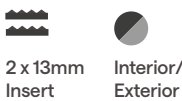
# Stair nosing

Ceramic/Tile

AA252



- 2 x 13mm inserts – can be ordered in different colours
- Suitable for fitting over existing tiles
- 15.5mm right angle drop on riser



Material	Finishes
Anodised Aluminium	Natural Satin

Compliance

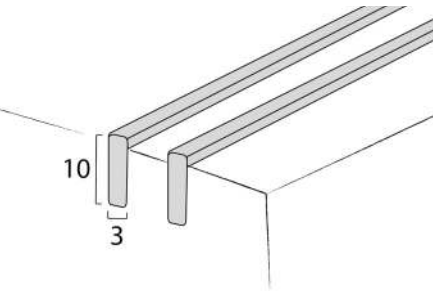
CANUSEUNZ



# Stair nosing

Friction Bar

Friction Bar



- Can be used in concrete, or timber stairs
- Use a minimum of 2 bars together for greater slip resistance
- Available in 2.5 metre lengths



Material	Finishes
Anodised Aluminium	Natural Satin Matte Black Bronze Brass

Compliance

CANUSEUNZ





# Transitions

Tredsafe flooring transitions offer an ideal solution for seamlessly connecting different surfaces, such as LVT, carpet, and vinyl, to bare floors or other surfaces with height variations. These transitions serve as an appealing protective barrier, preventing flooring edges from damage, whilst creating a safe and level transition, reducing the risk of tripping hazards. All are supplied in 2.5m lengths

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## Key features

- Some available in different anodised finishes including black, brass, and bronze
- Standard 2.5m lengths, supplied pre-drilled for screw fixing and easy installation
- Most transitions are available in a contoured version to fit the curves of your flooring requirements

---

## Applicable floor coverings

- Carpet
- Bare/uncovered
- Ceramic tile
- Vinyl
- LVT
- Rubber

Carpet to Vinyl

To Bare Floor

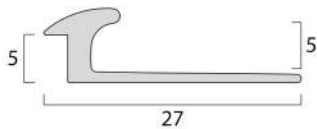
Variable Height  
Difference

Construction Joint  
Cover


Walkway

Transitions  
Carpet to Vinyl

DT022  
DT023\*






- 5mm floor coverings to carpet
- Available in contoured (DT023)

  
Small Ramp

  
0-2<sub>mm</sub>  
Height Variation

  
Interior/  
Exterior

  
Contoured  
Profile  
Available

Material	Finishes
	
Anodised Aluminium	Natural Satin

Compliance

CAN

US

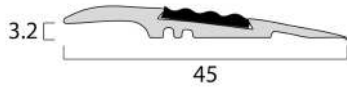
EU

NZ

AUS



DT024





- 1 x 13mm insert
- Provides a gradual ramp and barrier between two flooring types
- Suitable for 3mm height variations
- Suitable for high traffic flow areas
- Supplied pre-drilled for screw fixing

  
Ramp with  
13mm  
Insert

  
3<sub>mm</sub>  
Height  
Variation

  
Interior/  
Exterior

Material	Finishes
	   
Anodised Aluminium	Natural Satin Black Bronze Brass

Compliance

CAN

US

EU

NZ

AUS



DT027





- 1 x 13mm insert
- Provides a gradual ramp and barrier between two flooring types
- Suitable for 2mm height variations
- Suitable for high traffic flow areas
- Supplied pre-drilled for screw fixing

  
Ramp with  
13mm  
Insert

  
2<sub>mm</sub>  
Height  
Variation

  
Interior/  
Exterior

Material	Finishes
	
Anodised Aluminium	Natural Satin

Compliance

CAN

US

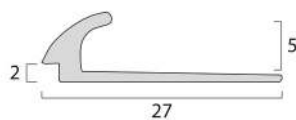
EU

NZ

AUS




DT030  
DT035\*





- 2mm floor coverings to carpet
- Available in contoured (DT035)

  
Small Ramp

  
3<sub>mm</sub>  
Height  
Variation

  
Interior/  
Exterior

  
Contoured  
Profile  
Available

Material	Finishes
	 
Anodised Aluminium	Natural Satin Mill Finish

Compliance

CAN

US

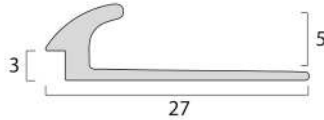
EU

NZ


AUS





DT033  
DT034\*




- 3mm floor coverings to carpet
- Available in contoured (DT034)

  
Small Ramp

  
2<sub>mm</sub>  
Height  
Variation

  
Interior/  
Exterior

  
Contoured  
Profile  
Available

Material	Finishes
	
Anodised Aluminium	Natural Satin

Compliance

CAN

US

EU

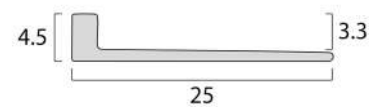
NZ







Transitions  
Carpet to Vinyl


DT036  
DT037\*





- 3mm floor coverings to carpet
- Available in contoured (DT037)





  
Subtle transition

  
0-2 mm  
Height Variation

  
Interior/  
Exterior

  
\*  
Contoured  
Profile  
Available

**Material**  
  
Anodised  
Aluminium

**Finishes**  
 Mill  
Finish  
 Black  
 Bronze  
 Brass

Compliance

CAN

US

EU

NZ


AUS





DT038  
DT039\*





- 4mm floor coverings to carpet
- Available in contoured (DT039)


  
Subtle transition

  
0-2 mm  
Height Variation

  
Interior/  
Exterior

  
\*  
Contoured  
Profile  
Available

**Material**  
  
Anodised  
Aluminium

**Finishes**  
 Mill finish

Compliance

CAN

US

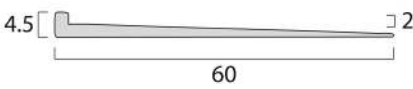
EU

NZ

AUS



DT040



- 2mm vinyl to carpet
- Ramped base for easy installation

  
Subtle transition

  
2 mm  
Height Variation

  
Interior/  
Exterior

**Material**  
  
Anodised  
Aluminium

**Finishes**  
 Mill finish

Compliance

CAN

US

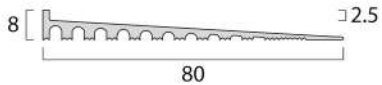
EU

NZ

AUS



DT084



- 2mm-3mm vinyl to cushion back carpet tile or 8mm floor covering
- Ramped base for easy installation

  
Subtle transition

  
5-6 mm  
Height Variation

  
Interior/  
Exterior

**Material**  
  
Anodised  
Aluminium

**Finishes**  
 Mill finish

Compliance

CAN

US

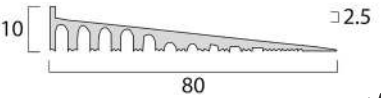
EU

NZ

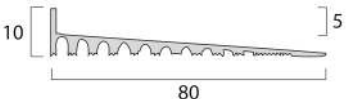
AUS



DT085



DT086



- 10mm floor covering to either 2.5mm or 5mm floor covering
- Ramped base for easy installation

  
Subtle transition

  
5-7.5 mm  
Height Variation

  
Interior/  
Exterior

**Material**  
  
Anodised  
Aluminium

**Finishes**  
 Mill finish

Compliance

CAN

US

EU

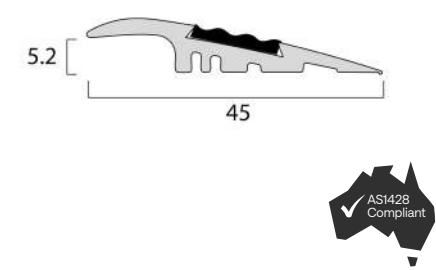
NZ

AUS

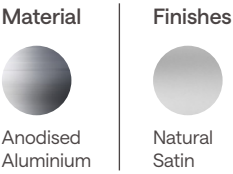


Transitions  
To Bare Floor

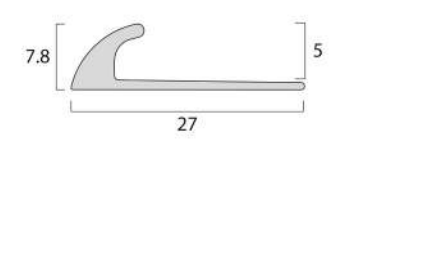
DT028



- 1 x 13mm insert
- Provides a gradual ramp
- Suitable for 5mm height variations
- Suitable for high traffic flow areas
- Supplied pre-drilled for screw fixing



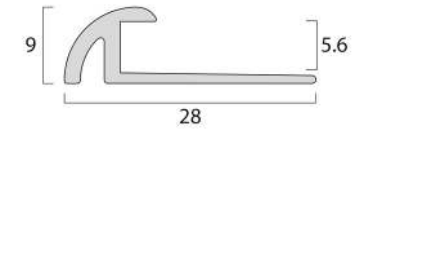
DT031  
DT032\*



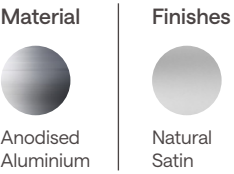
- Suitable for carpet to bare floors
- Available in contoured (DT032)



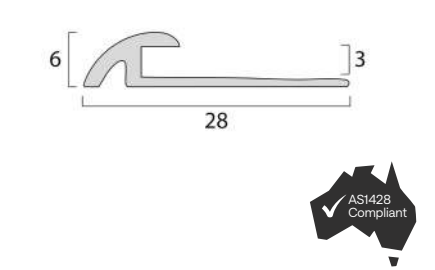
DT064  
DT066\*



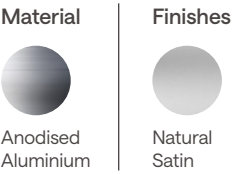
- Suitable for 5mm-5.5mm floor coverings to bare floor
- Available in contoured (DT066)



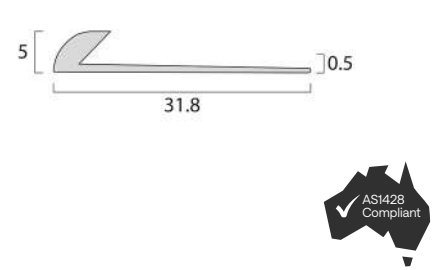
DT065  
DT067\*



- Suitable for 3mm floor coverings to bare floor
- Available in contoured (DT067)



DT047  
DT048\*



- Bevelled edge under 5mm
- Available in contoured (DT048)

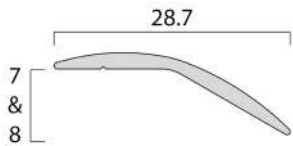




# Transitions

## Variable Height Difference

DT043



- Suitable for 7mm or 8mm height variations
- Supplied with double sided self-adhesive backing tape for fixing

Large Ramp

7 & 8 mm

Height Variation

Interior/ Exterior

Material	Finishes
Anodised Aluminium	Natural Satin

Compliance

CAN

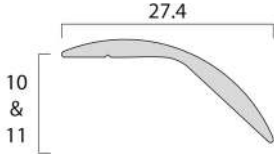
US

EU

NZ



DT044



- Suitable for 10mm or 11mm height variations
- Supplied with double sided self-adhesive backing tape for fixing

Large Ramp

10 & 11 mm

Height Variation

Interior/ Exterior

Material	Finishes
Anodised Aluminium	Natural Satin

Compliance

CAN

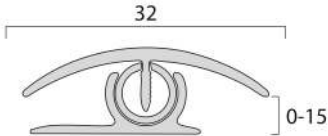
US

EU

NZ



DT070



- Robust rotating design
- Suitable for height variations 0mm to 15mm
- Supplied pre-drilled for screw fixing

Large Ramp

0-15 mm difference

Height Variation

Interior/ Exterior

Material	Finishes
Anodised Aluminium	Natural Satin

Compliance

CAN

US

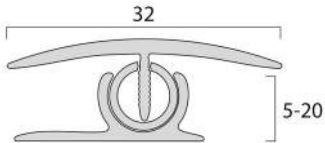
EU

NZ

AUS



DT071



- Robust rotating design
- Suitable for height variations 5mm to 20mm
- Supplied pre-drilled for screw fixing

Large Ramp

5-20 mm difference

Height Variation

Interior/ Exterior

Material	Finishes
Anodised Aluminium	Natural Satin

Compliance

CAN

US

EU

NZ

AUS





Transitions  
Walkway

DT029



- 1 x 13mm insert
- Protective ramped transition between even height floor coverings
- Suitable for high traffic flow areas
- Supplied pre-drilled for screw fixing

Large Ramp with Insert

0 mm

Height Variation

Interior/ Exterior

Material

Anodised Aluminium

Finishes

Natural Satin

Compliance

CAN

US

EU

NZ

AUS



AA129



- 1 x 53mm insert
- Ramped edge to avoid trip hazards on uncovered stairs

1 x 53mm Insert

Interior/ Exterior

Material

Anodised Aluminium

Finishes

Natural Satin

Compliance

CAN

US

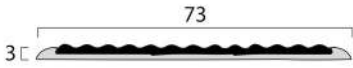
EU

NZ

AUS



AA137



- Designed for use on uncovered stairs or for accessway guidance/ramp safety
- 1 x 63mm insert or 1 x 53mm insert with a 10mm glow strip insert
- Zebtron compatible

1 x 53mm + 10mm insert OR 1 x 63mm

Interior/ Exterior

Material

Anodised Aluminium

Finishes

Natural Satin

Compliance

CAN

US

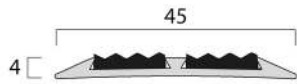
EU

NZ

AUS



AA231



- 2 x 13mm inserts – can be ordered in different colours
- Ramped edges to avoid trip hazards
- Designed to reduce slip hazards on ramps and decks

2 x 13mm Insert

Interior/ Exterior

Material

Anodised Aluminium

Finishes

Natural Satin

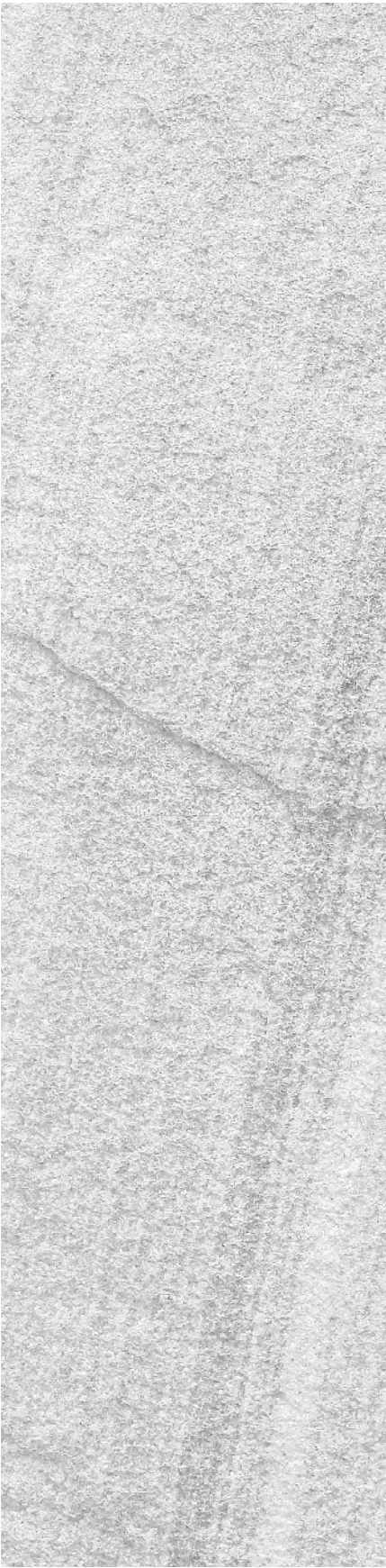
Compliance

CAN

US

EU

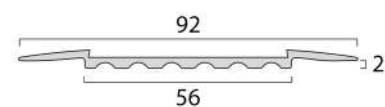
NZ





Transitions  
Construction  
Joint Cover

DT025



- Use with 2mm vinyl or 53mm insert in the recess space
- Supplied pre-drilled on one side of the recess



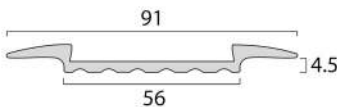
Material	Finishes
Anodised Aluminium	Natural Satin

Compliance

CAN	US	EU	NZ	AUS
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DT026



- Use with direct stick carpet or carpet tile directly into the recess space
- Supplied pre-drilled on one side of the recess



Material	Finishes
Anodised Aluminium	Natural Satin

Compliance

CAN	US	EU	NZ	AUS
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Innovative  
& creative  
flooring safety  
solutions that  
meet industry  
requirements

# Edging

Complete the look of any space with the right edging solutions. Floor edging is essential for finishing transitions where flooring meets walls, skirting, or exposed edges, preventing gaps and creating a seamless finish. Whether filling the space between flooring and skirting or extending flooring up the wall, the right edging ensures durability, visual appeal, and a polished result.

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## Floating floor Edging

Floating a wood, laminate or LVT flooring requires an expansion joint to accommodate natural expansion and contraction caused by temperature and humidity changes. Edging trim covers and protects the exposed edges while maintaining the floor's stability and appearance. Tredsafe has a wide range of trims suitable for all applications. Suitable for a variety of flooring thicknesses from 4mm. Suitable for interior and exterior use.

---

## Floor / Wall Trims

In many applications, vinyl flooring extends from the floor part-way up the wall. To achieve a clean finish, a trim is needed to cap the vinyl edge and transition to the wall. Our floor-to-wall transitions create a tidy connection that prevents dirt and bacteria buildup, making cleaning and maintenance simpler.

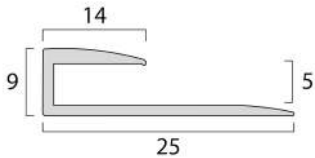
Floating Floors

Floor-to-wall



# Edging Floating floors

DT049




- Edge capping and expansion joint for floating floors
- Allows floating floors with thickness of up to 5mm

2.5 metre  
Lengths

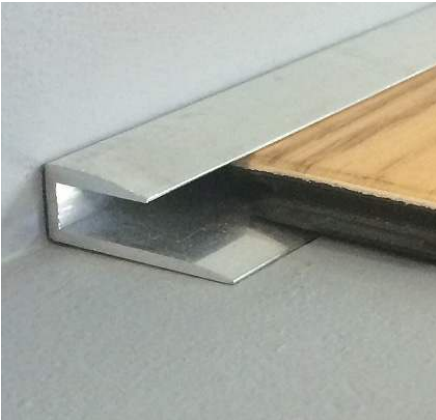


Interior/  
Exterior

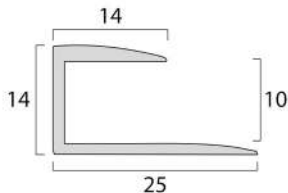
Material	Finishes
	
Anodised Aluminium	Natural Satin

Compliance

CAN	US	EU	NZ	AUS
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DT050





- Edge capping and expansion joint for floating floors
- Allows floating floors with thickness of up to 10mm

2.5 metre  
Lengths

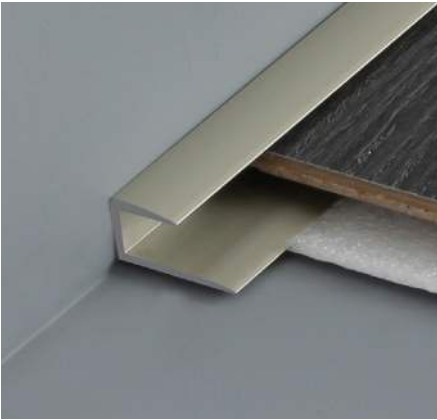


Interior/  
Exterior

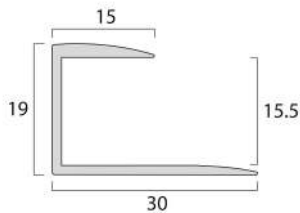
Material	Finishes
	
Anodised Aluminium	Natural Satin

Compliance

CAN	US	EU	NZ	AUS
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DT051





- Edge capping and expansion joint for floating floors
- Allows floating floors with thickness up to 15mm

2.5 metre  
Lengths



Interior/  
Exterior

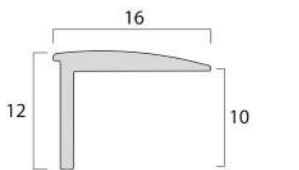
Material	Finishes
	
Anodised Aluminium	Natural Satin

Compliance

CAN	US	EU	NZ	AUS
-----	----	----	----	-----



DT052





- Use as a retrofitted capping
- Double-sided tape pre-applied for easy installation

2.5 metre  
Lengths

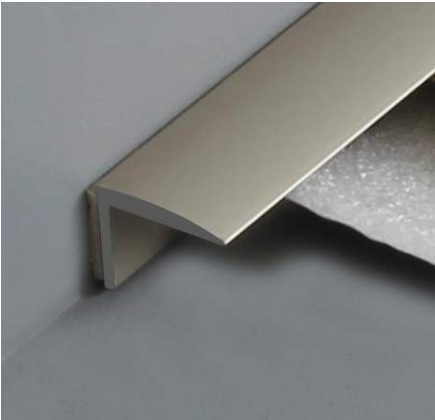


Interior/  
Exterior

Material	Finishes
	
Anodised Aluminium	Natural Satin

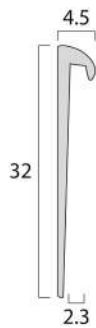
Compliance

CAN	US	EU	NZ	AUS
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Edging  
Floor-to-wall

DT059



- Provides a finished edge to coved 1.5mm-2mm floor vinyl
- Ultra thin 0.5mm tapered edge to eliminate any vinyl indentation

2.5metre  
Lengths

Interior/  
Exterior

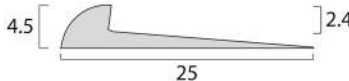
Material	Finishes
Anodised Aluminium	Natural Satin Black Bronze Brass

Compliance

CAN	US	EU	NZ	AUS
-----	----	----	----	-----



DT061



- Provides a finished edge to coved 2mm floor vinyl
- Ultra thin tapered edge to eliminate any vinyl indentation

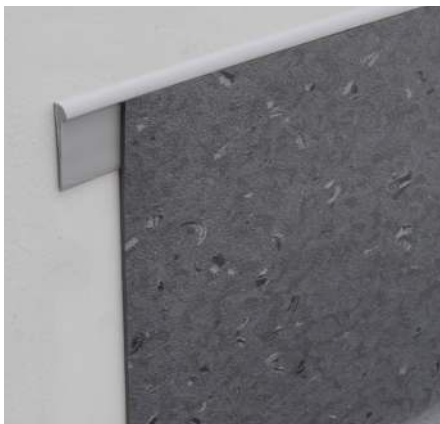
20metre  
Coils

Interior  
Only

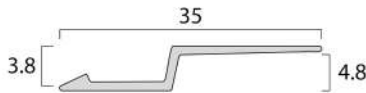
Material	Finishes
Semi Rigid PVC	Black Charcoal Light Grey White

Compliance

CAN	US	EU	NZ	AUS
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DT063



- Z-flashing
- Provides a neat junction between vinyl and wall panels

2.5metre  
Lengths

Interior/  
Exterior

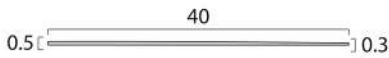
Material	Finishes
Anodised Aluminium	Natural Satin

Compliance

CAN	US	EU	NZ	AUS
-----	----	----	----	-----



DT068



- Use as a packer where 1.5mm wall vinyl meets 2mm floor vinyl
- Makes vinyls flush for seam welding

25metre  
Coils

Interior  
Only

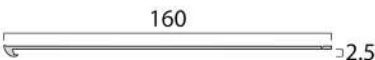
Material	Finishes
Rigid PVC	Black

Compliance

CAN	US	EU	NZ	AUS
-----	----	----	----	-----



DT069



- Protective wall skirting trim for coved 2mm floor vinyl
- Used extensively in hospitals and aged care

2.5metre  
Lengths

Interior/  
Exterior

Material	Finishes
Aluminium	Mill Finish

Compliance

CAN	US	EU	NZ	AUS
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# Matting

Protect your building entrance with the trusted CONNEXX entrance matting system. CONNEXX offers a clean, flexible, and effective solution for every entrance area to absorb moisture and brush away dirt.

Main Application Field	<ul style="list-style-type: none"><li>Insert into an existing mat well for a seamless look</li><li>Install on top of existing flooring along with Tredsafe's proprietary finishing trim without the need to create a mat well, ensuring you are meeting building code requirements</li></ul>
Product Features & Benefits	<ul style="list-style-type: none"><li>High moisture absorbance ensuring water doesn't get into your building with 100% PA6.6</li><li>Coarse dirt is caught in the gaps while the inserts absorb moisture and residual dirt – keeping your building cleaner for longer</li><li>Easy maintenance as dirt can be easily vacuumed without having to remove the entrance matting</li><li>Module system means that it is easy to install and replaced</li><li>UV Resistant PVC making sure your mat will not fade overtime UV Resistant PVC – 100% soft PVC</li></ul>

DT080 Ramp	<p>If your space doesn't have a mat well in place, Tredsafe's DT080 ramp finishing trim is the perfect solution.</p> <ul style="list-style-type: none"><li>Powder-coated aluminium in black</li><li>Space for 37mm Diamondtred insert</li><li>Excellent slip-resistance when wet</li><li>Suitable for interior and exterior use</li><li>Transition for 15mm height variations</li><li>Ideal for high traffic flow areas</li></ul>
------------	---

## CONNEXX



- Supplied in boxes (1 box = 16 modules = 1m2)
- Connects together easily
- Can be cut down to fit into unique corners or wall shapes

1m2  
Boxes



Interior

### Material

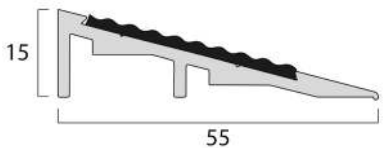


PVC

### Compliance



## DT080



- Ramp finishing trim
- Powder coated aluminium in black
- Transition for 15mm height variations
- Suitable for high traffic flow areas

1 x 37mm  
Insert



Interior/  
Exterior

2.5m  
Lengths

### Material



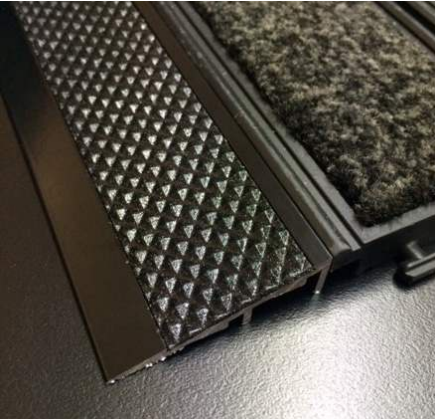
Aluminium

### Finishes



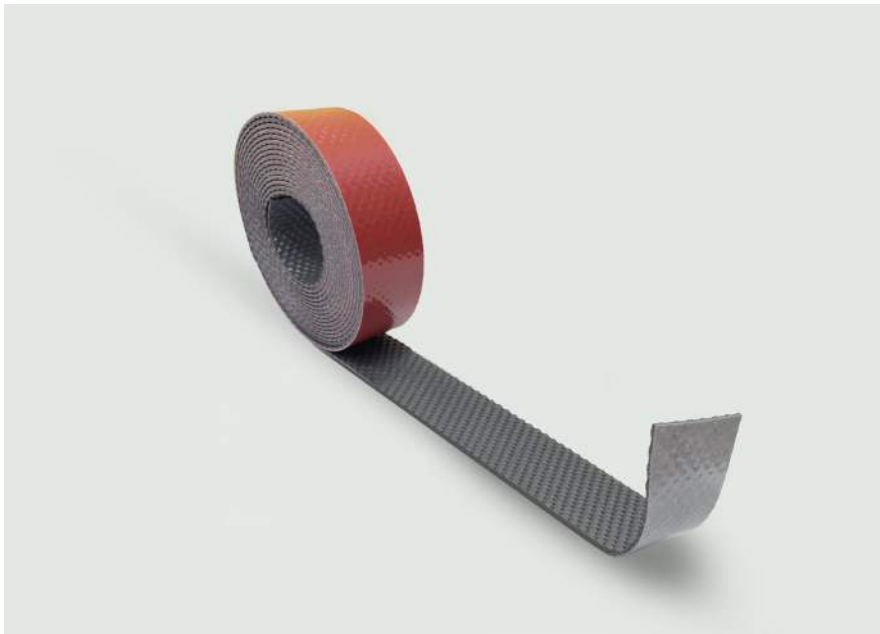
Black finish

### Compliance



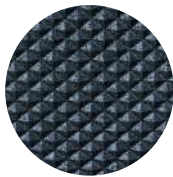
# Diamondtred Insert

Tredsafe inserts have a unique raised pyramid texture which provides exceptional multi-directional slip resistance. All Tredsafe inserts come with a self-adhesive peel and stick backing tape for ease of installation and concealment of fixing screws for a neat and tidy job.

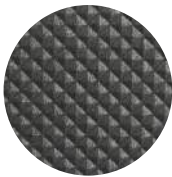


The adhesive is strong and ready to withstand temperature fluctuations from below  $-40^{\circ}\text{C}$  to  $140^{\circ}\text{C}$ . It will not peel, warp, or shrink - ensuring your stairs remain safe even in cold or hot conditions. The colour range provides extreme visibility to highlight the edge of a step or landing. All inserts (except Chevron) are available in 13mm, 37mm, 43mm, 53mm or 63mm widths.

## Subtle Colours



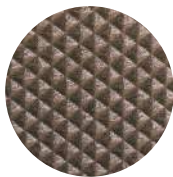
106 Neutral Black



107 Charcoal



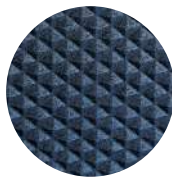
108 Light Grey



109 Rich Brown



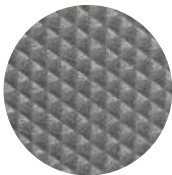
110 Putty



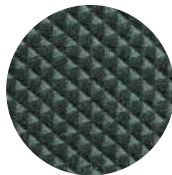
111 Royal Blue



112 Burgundy



113 Mid Grey

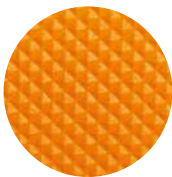


114 Jade Green

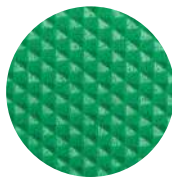
## Safety Colours



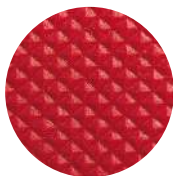
101 Safety White



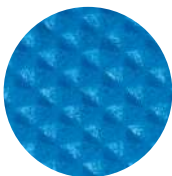
102 Safety Orange



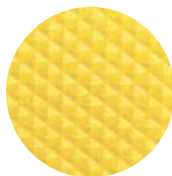
103 Safety Green



104 Safety Red



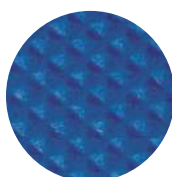
105 Safety Blue



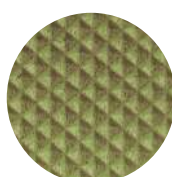
118 Signal Yellow



125 Safety Pink

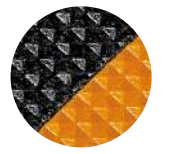


126 Tredsafe Blue



127 Safety Khaki

Chevron is supplied in 1.2 metre lengths in 37mm and 43mm widths only  
Developed to give maximum visibility for step edges  
Used extensively in the transport industry and in hazardous areas



115 Chevron

Can't find the colour you want? We can create our inserts in any colour. Visit p.56 for more info.



# Bespoke Inlays

Our bespoke inlays offer a clean, integrated look, ideal for wooden staircases and other architectural applications. Designed for both new builds and retrofitting, these inserts provide a simple way to enhance the appearance of stairs while ensuring long-lasting durability. The ability to retrofit means existing staircases can be updated without major renovations, making them a practical choice for projects requiring both form and function. Perfect for spaces where design and safety need to work together.



The best safety  
solutions for  
your business



# Low-Light Products

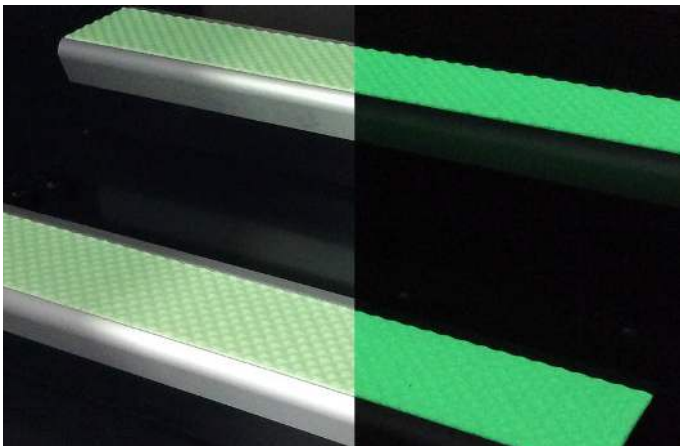
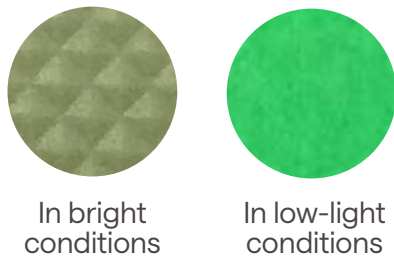
Your stairs should stay safe, no matter the lighting. Tredsafe provides a variety of products to ensure stair safety, including LED nosing profiles and glow-in-the-dark inserts, giving you reliable visibility and safety around the clock.

## LUMITRED

The Lumitred range provides the ultimate solution in reduced light conditions. Utilising phosphorescent pigments, the inserts are charged by natural or artificial light and activate instantly in failing light conditions. Lumitred inserts are available in 13mm, 37mm, 43mm, 53mm, or 63mm widths.

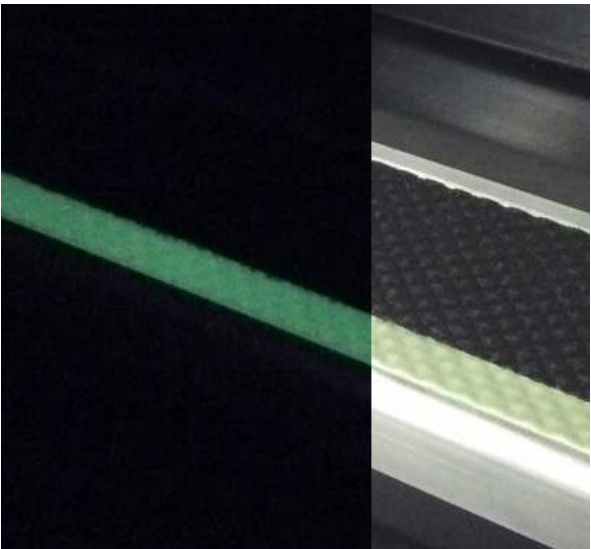
- Applications
- Emergency exits for commercial or multi-residential buildings
  - Guidance / way finding
  - Supporting the visually impaired
  - Theatres
  - Stadia

- Features
- Lumitred is an environmentally better choice as it is completely free of PVC - reducing environmental impact.
  - The glow pigment is co-extruded into the product giving it increased lifespan and all round glow performance - tested in accordance with Section 34, UL1994 “Standard for Safety” Luminous Egress Path marking Systems and sections of ASTM E2073-02. Visual acuity test conducted up to 300 minutes which is over 3 times the test requirement.



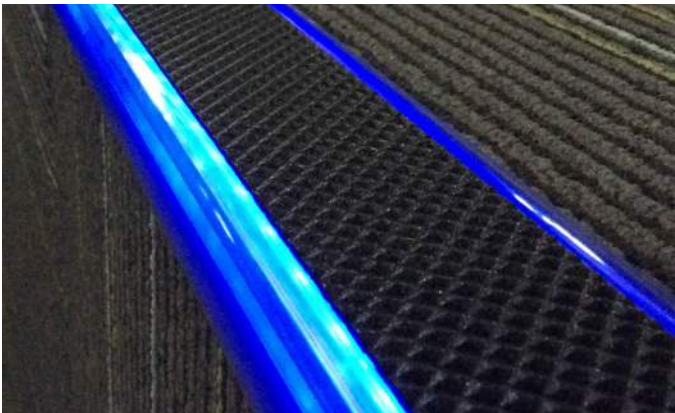
## ZEBRON

Zebron combines the extensive Diamondtred insert colour range with a Lumitred insert to provide a total stair nosing solution. Zebron is a 10mm wide strip of Lumitred, coupled with any colour to fit 43mm, 53mm, or 63mm wide inserts. Lumitred may also be used as a Zebron strip in a 13mm wide insert.



## EL165 - LED PROFILE

Illuminate your staircase with style using the EL165 LED-capable stair nosing. Designed to seamlessly integrate an LED strip, this profile enhances both safety and aesthetics. Choose from a range of light colours, and customize your lighting with optional remote or wall-mounted colour control for the perfect ambiance.



Visit [page 19](#) for more information

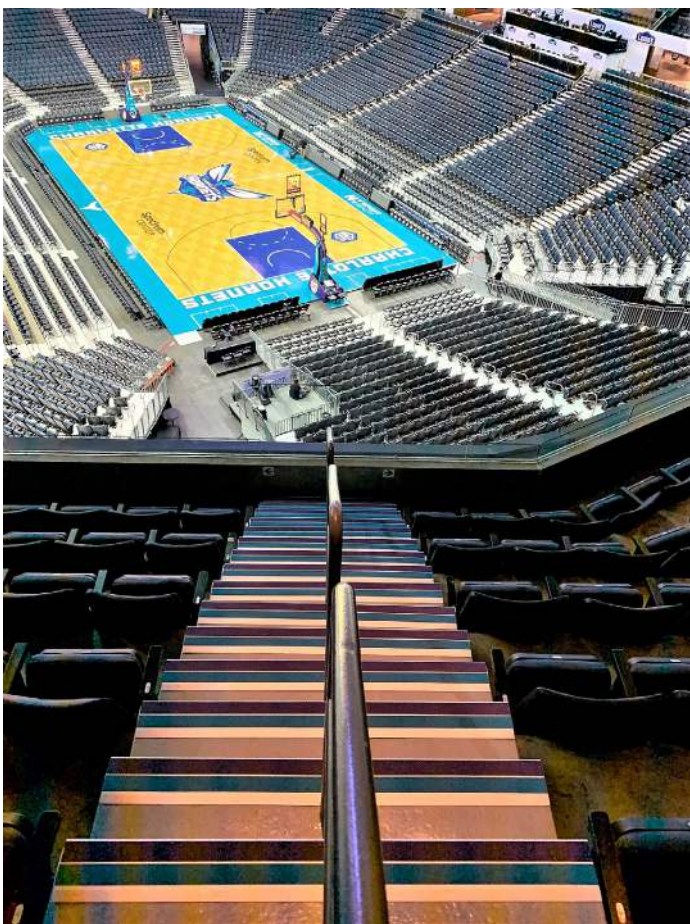


# Customisation

If you can dream it, Tredsafe can make it! Our customisation services cover everything from insert colours to profile shapes, allowing you to achieve the exact look you want to complement your designs perfectly.

## Colour Customisation

Looking for a specific colour for your inserts? Tredsafe offers Pantone colour matching to ensure your design vision comes to life. Whether you're after a bold statement or a subtle complement to your space, we'll take care of the details. Please note that a minimum order quantity applies for custom colours.



Spectrum Center is an indoor arena located in Charlotte, North Carolina, United States. Operated by its main tenant, the NBA's Charlotte Hornets, the arena seats up to 20,000 people. Tredsafe was able to undertake this stair nosing refurbishment project which included custom coloured inserts for the stadium. A total of 3.4km of custom coloured teal and purple insert (Hornet's team colours), were installed on the stairways of the arena. This was nominated for the 'Best Branded Environments' - for the Spark Awards, part of Fuse Alliance.

## Brand Customisation

Elevate your stair customisation even further with branded or custom messaging on your inserts—an exclusive service from Tredsafe. This unique option offers a cost-effective way to showcase your brand, even on the stairs.

Way-finding, seat and aisle numbers, or brand sponsorship is available to be added on request. Digital mockups are available within 48 hours, and physical samples are available within 7-14 days upon request to help bring your vision to life.



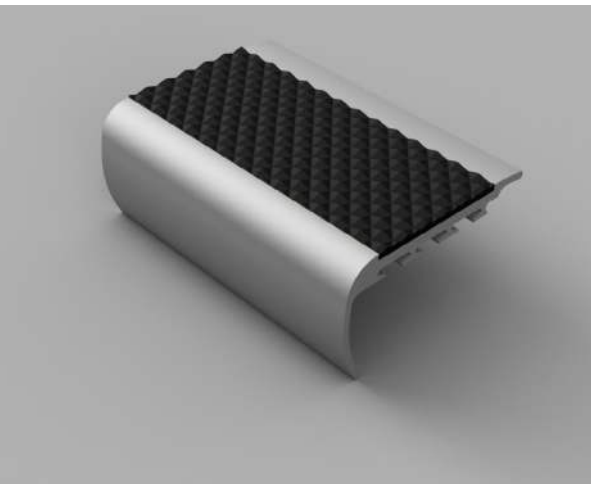
Example of digital concepts with Row and Seat markings

Example of custom sample concept for the Charlotte Hornets



## Profile Customisation

For special project requirements, Tredsafe can design and manufacture custom profiles. This service includes concept design and 3D printed samples. Lead times for samples are approximately 2-3 weeks. Enquire for pricing.



Example of custom 3D render of stair nosing concept

# Contoured Profiles

Tredsafe understands that sometimes there are some tricky jobs and have therefore re-engineered several of the most popular stair nosings and transitions to allow contoured installation on-site.

## Contoured Nosings

These stair nosings are available in 2.5m lengths and are priced in a complete set (excluding insert). They are a two-part system which is both economical and easy to install. Works with regular colour insets – Lumitred, Zebtron and Chevron are not available for contoured profiles. To ensure the profiles are not over extended, which may cause product failure or defects, the minimum radius for each profile are as per the table below.

Product Code	Min Radius	Insert Size	Designed For	Length	Material	Page
AA123CN	500mm	53mm	Carpet Tiles	2.5m	Aluminium	16
AA124CN	500mm	53mm	Carpet Tiles	2.5m	Aluminium	17
AA134CN	550mm	63mm	Carpet Tiles	2.5m	Aluminium	17
AA110CN	500mm	53mm	Vinyl	2.5m	Aluminium	23
AA130CN	500mm	63mm	Vinyl	2.5m	Aluminium	25
AA125CN	450mm	53mm	Uncovered	2.5m	Aluminium	20
AA128CN	450mm	53mm	Uncovered	2.5m	Aluminium	20
AA138CN	450mm	63mm	Uncovered	2.5m	Aluminium	21



Example of contoured nosing - available in a two-part system for easy installation

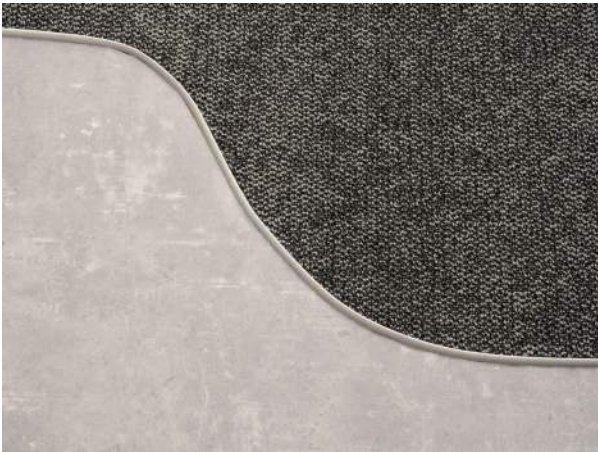


## Contoured Transitions

Most of Tredsafe's transitions are available as a contoured variant. These have pre-cuts made to allow for curving in either direction.

Transitions that are available as a contoured variant

Contoured Transition Product Code	Contoured variant of	Page
DT023	DT022	30
DT035	DT030	31
DT034	DT033	31
DT037	DT036	32
DT039	DT038	32
DT032	DT031	34
DT066	DT064	35
DT067	DT065	35
DT048	DT047	35



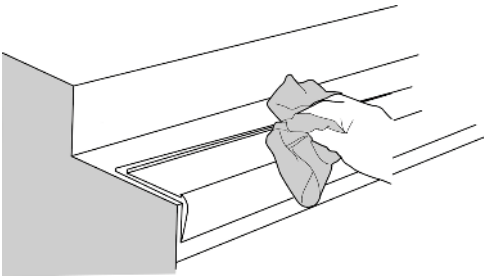
Example of contoured transition with pre-cuts for easy installation



# Insert Installation

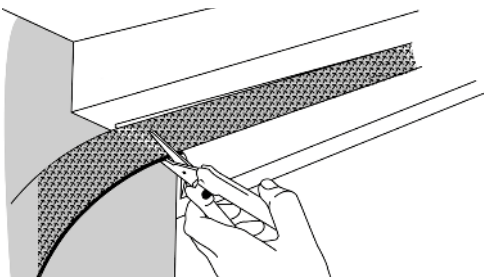
Step 1

Ensure the aluminium channel is clean from dust, residues and debris. Wipe down with a cleaning solvent (Denatured or Isopropyl Alcohol or similar.)



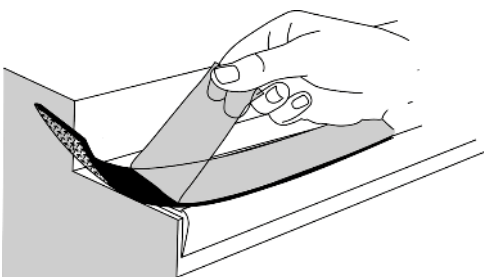
Step 2

Pre cut the insert to your required length.



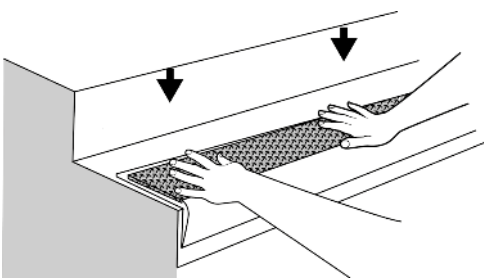
Step 3

Remove the adhesive backing liner from the Tredsafe insert.



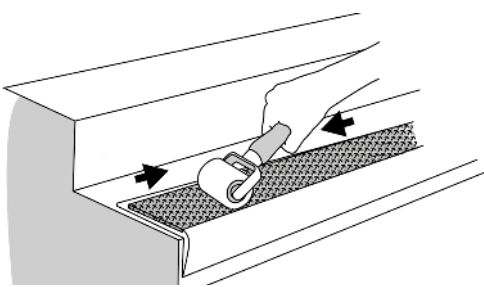
Step 4

Install by placing the insert into the nosing and pressing into place without undue stretching.



Step 5

Once in place, roll over the insert to ensure consistent adhesion and a secure bond.



# Technical Data Sheet Insert

Tredsafe insert is manufactured from a special blend of PVC, sustainably sourced industrial sand and polymeric plasticiser giving a homogenous hard wearing flooring for wet and dry conditions (Meets British Standard for Sheet Vinyl and Vinyl Tiles BS3261:1973).

**Special Properties** Tredsafe insert is resistant to attack from ultraviolet light, oil, grease, petrol, salt, dilute acids an alkalis, common household chemicals and detergents. Organic solvents will soften Tredsafe insert.

**Fields of Application** • Suitable for interior or exterior use.

Technical Data	Description		Values	
	Residual indentation	2.5mm dial gauge	Mean 0.05mm	
	Dimensional stability 80°C 6 hours		0.12%	
	Moisture movement 23°C for 24 hours		0.02%	
	Elastic property Tensile strength		2.48mj/m³	
	Heat Ageing 70°C for 15 days	Exudation Colour change	None None	
	Wear Resistance Taber Abraser	1kg load H18 wheel @ 60 rpm	1000 revs. 0.6gm weight loss	
	Slip Resistance AS/NZS 3661.1:1993	Dry (tortus) Wet (pendulum)	0.80 0.44	
	Slip Resistance AS/NZS 4586:2013	A. Wet Pendulum B. Dry Tortus C. Wet-Barefoot ramp D. Oil-Wet ramp	SRV 47 Mean 0.75 Mean 30° Mean 21°	class P4 class D1 group C class R11
	Slip Resistance DIN 51130:2010	Inclined platform test	R11	
	Slip Resistance BS 7976:2002	Pendulum test – dry Pendulum test – wet	PTV average 57 PTV average 47	
	Flammability AS 1530.3:1982	Flame spread Smoke development	0 7	
	Reaction to fire ISO 9239.1:2003	Mean Critical Radiant Flux	10.3kw/m²	
	Dimensions Other sizes available on request	Insert widths  Rolls Thickness Weight/m²	13mm, 37mm, 43mm, 53mm 350mm x 25m long 3mm 4.5kg	

# Technical Data Sheet

# Nosing

## Aluminium Component

Under normal conditions the extruded aluminium sections are extremely durable, but the following should be taken into account when specifying:

- Aluminium is attacked by alkali in some mortars and plasters in wet conditions
- Electrolytic corrosion is likely when in contact with some metals, particularly copper, copper alloys, iron and steel
- Although it is not affected by most timbers, corrosion is very likely when in contact with wet timber, such as western red cedar, Douglas fir and oak.

## PVC component

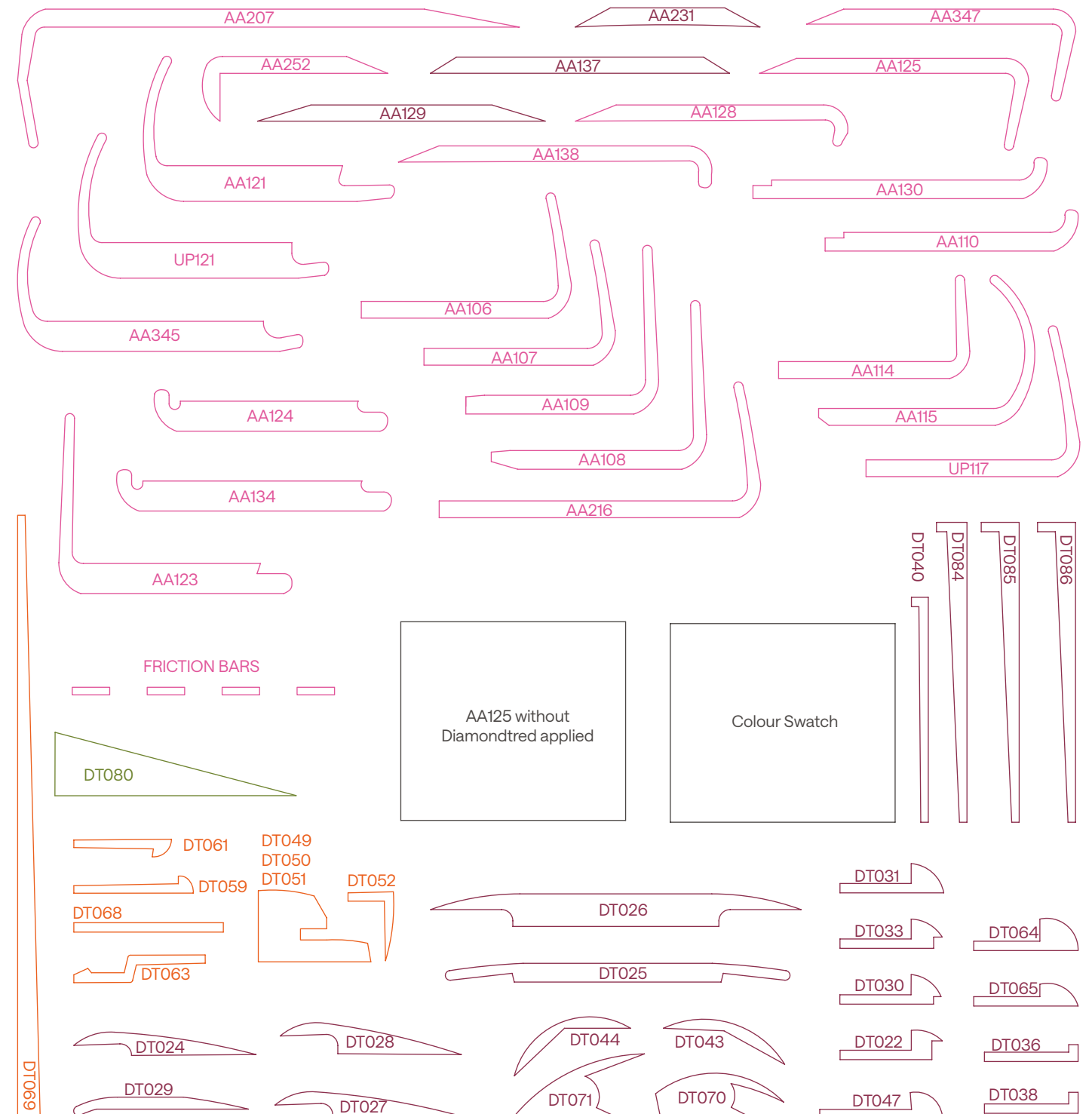
Extremely durable and unaffected by most chemicals in common use. The UP series of stair finishes are unaffected by insects and will not support the growth of fungi, moulds, or bacteria, resistant to normal thermal loading and ultraviolet, however they are not recommended for use outdoors.

If you require any other technical information on the products listed in this catalogue, visit our website [tredsafe.com/documents](https://tredsafe.com/documents)

Information given in this data sheet is based on the current state of knowledge. This does not exempt the purchaser from carrying out his own careful inspections of incoming goods and their suitability for local building codes. We reserve the right to make changes to the product data in the course of technical progress or due to operationally related further development. Owing to factors beyond our control during application, recommendations given in this data sheet require tests and experiments by the customer. Our recommendations do not exempt the customer from the obligation to check any infringements of third-party rights himself and eliminate them if necessary. The suggestions for product use are not equivalent to a warranty of its suitability for the recommended purpose.

Each new release of this data sheet supersedes the previous one.

# Sample Box Map



Missing a sample piece? Re-order through the QR code below





