

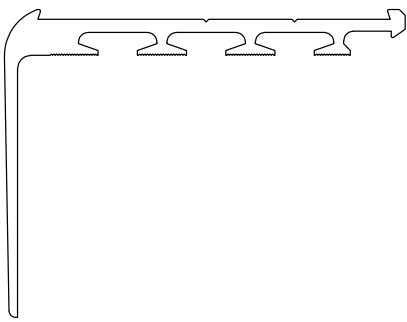
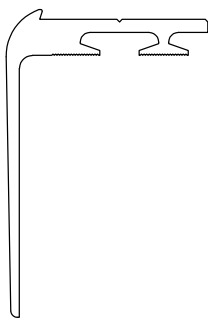
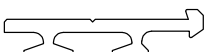
## Description

Curved Stair Nosings are traditionally difficult to measure, take a long time to fabricate and an even longer time to get to site for installation. That being said, the demand for this format is still high, because curved stairs are a great aesthetic feature and very favourable in the design community.

Tredsafe continually look to make our customers' lives easier and that is why we have re-engineered a few specific popular profiles from the existing range to be curved on site at "the coal face", instead of miles away in a factory, working from a template that is seldom accurate and adds huge lead times, as well as increasing costs significantly.

The new curvable product is now a 2 part system and breaks down simply into Part A and Part B. Part A is the front half, Part B is the back half

We have kept the profile prefix i.e AA123 and added a CN identification (Curved Nosing).

STANDARD PROFILE	CURVED PROFILE	
AA123	AA123CN	
	 <p data-bbox="895 1615 963 1644">Part A</p>	 <p data-bbox="1182 1615 1251 1644">Part B</p>

The Technical team have developed a recommended minimum dimension to ensure the profiles are not over-extended causing product failure or superficial aesthetic defects.

Please refer to the table on the back page of this document for more information.

## Install Methodology

In this example we are using the AA123 Standard and CN profiles on carpet tiles to complete the curved stair install. We have used a typical stair design which requires the use of both our standard and CN profiles. Certain stair applications are curved only with no straight areas, therefore requiring CN profiles only to complete the installation.

As we are using AA123 in this example, carpet tiles need to be installed to suit profile.

**Tip:** By using an offcut piece you can check that the profile has sufficient cover over the carpet tile prior to installation of actual profile.



### STEP 1

**Begin installing Part A of the system to the stair tread.**

- Fixing the first screw at the starting point, compress it comfortably over the carpet installed on the riser of the stair and fasten in the first countersunk hole.



*Starting screw*

## STEP 2

### Begin fixing off the rest of the screws.

- Once first anchor is fastened then proceed to gently bend the profile around the curve and fasten every second or third screw hole until the profile is curved and compressed evenly around the stair.
- If the profile curve is smooth then proceed to fix remaining screw holes



*Fix every second or third screw*



**Tip:** To adjust the profile curve, gently hit wooden block with a hammer. Tap block repeatedly until the curve smoothens out and refit screws when complete.



## STEP 3

### Install Part B profile to the stair tread.

- From the same start point as part A, gently bend and fix part B in the same method as part A aligning both system parts
- Begin fastening each screw hole as you progress around the curve ensuring that the gap between the profiles is closed tight.

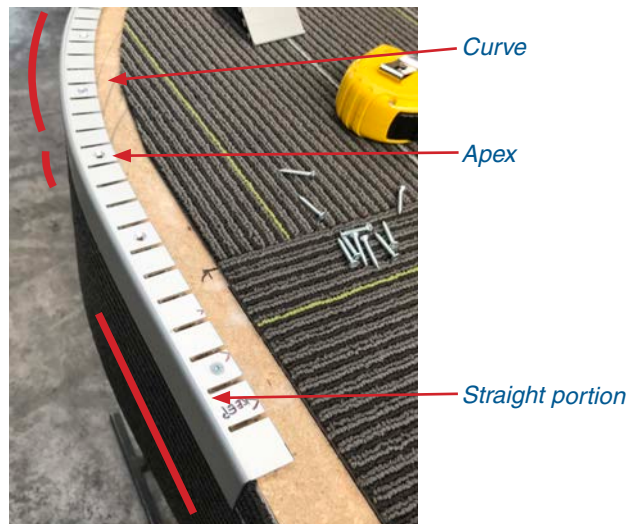
**Tip:** Using a block and tapping with hammer where required to gain even curve or move part B hard against part A.



## STEP 4

### Joining AA123CN to AA123.

- If matching up to straight AA123 profile then you need to ensure the curve has passed the apex and is now straight to meet the new profile.
- Check to ensure the face of the AA123CN aligns with the standard AA123 profile and fasten screws.





### STEP 5

#### Installing the Tredsafe DiamondTred insert into the channel.

- Assume channel prepped as per insert installation instructions.
- Start on the straight length (if applicable) to get the insert bonded working your way to the curve.
- Peel back the adhesive tape backing and begin to stick insert into channel until you are close to the curve.



### STEP 6

#### Curving the DiamondTred insert

- In this example the radius is at its minimum (500mm) and the 53mm wide insert will require heating to enable flexibility to mould it around the bend.
- Heat the general area of insert where you are installing so it becomes soft and workable.
- Gently curve the insert to the radius required.
- As you peel the adhesive backing cover off gently ease it into the channel on the outer edge allowing it to cup on the inside edge.
- Continue heating insert and cupping to the internal face, then apply direct heat to the cupped area for a few seconds before pushing the insert into the channel and easing it towards the edges of the profile.



**Tip:** The insert heating and moulding process may not be required on your installation depending on the tightness of the curve of the stairs. Test a small area first to establish if this is needed or not. If not needed then install the insert as per standard profile.

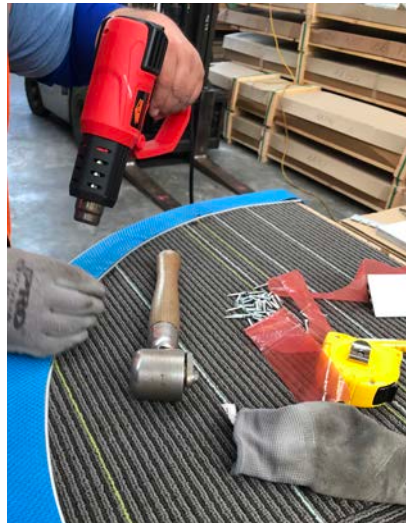


## STEP 7

### Roll the insert to compress adhesive backing.

- Using a small weighted roller (typical vinyl roller) begin to roll the insert into the channel to ensure maximum compression bond of the adhesive backing.

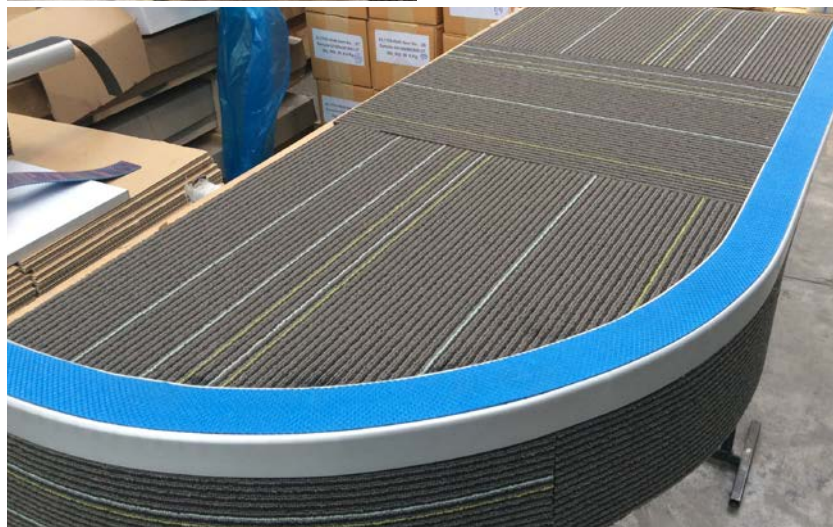
**Tip:** As you apply heat and stretch the insert (below), roll the profile in all directions to massage the insert tight to the edges if required.



## STEP 8

### Final roll and check

- Check over install for any remedials and ensure insert is fully compressed into channel.



INSTALLATION COMPLETE

## Tredsafe Curved Stair nosing Profiles

Code	Min Radius*	Insert Size	Designed for	Length	Material	Finish
AA123 CN	500mm	53mm	Carpet Tiles	3.66m	Aluminium	Natural Satin
AA125 CN	450mm	53mm	Uncovered	3.66m	Aluminium	Natural Satin

\* Minimum recommended radius curve is a guideline for trouble free installation of profile. If the installation of the curve is tighter than the guidelines above then Tredsafe shall not be responsible for any installation defect. Potential fracturing, breaking of the aluminium profile at any given point or anodising crazing effect may appear as a result. It is recommended that the Installation is completed in accordance with Tredsafes methodology procedure.

For further clarification or information please contact the Tredsafe Technical Manager.