



PATH EDGING PROPERTIES OF RECYCLED PLASTIC PROFILES

Size variation: Please allow for a +/- 5 mm variation in length and a +/- 3 mm variation in width and height for products such as Path Edging profiles. Sizes quoted are approximate.

UV statement: Plastic Forests recycled plastic contains approximately two per cent UV stabiliser, which extends the life of the product. However, depending on the climate, the colour may fade due to UV exposure. This is particularly relevant with blue, white and green colours. The quality or performance of the product will in no way be affected.

Toxicity: Plastic Forests recycled plastic products are inert and will have no detrimental effect on the environment. Alternate timber products may contain toxic metals such as arsenic and copper, which may leach into the environment.

Expansion and contraction: Recycled plastic products are affected by changes in temperature, expanding and contracting as the temperature rises and falls.

The coefficient of linear expansion for Path Edging profiles is 1.1×10^{-4} . This means that each one-metre length will expand by 0.0001 metre for each degree Celsius change in temperature, or 0.11 millimetres per degree Celsius change in temperature (approximately).

Therefore, a one-metre profile length will expand, or contract, 2.2 millimetres for a 20° Celsius change in temperature (approximately). It is important to note that any material in direct sunlight will be at a higher temperature than the surrounding air and therefore actual expansion may vary from that calculated. A precise calculation of the recommended gap between Path Edging profiles depends on the temperature of the installation site and the maximum temperature to be reasonably expected at that location.

Installers who do not wish to use the above calculation may choose to use the following as a guide:

Length of profile (m):	1m	2m	3m
Minimum gap to be provided (mm):	3mm	6mm	9mm

Please note:

- The above measurement is the total gap between profiles. To obtain a measurement for either end, divide the gap measurement by two.
- The table above is a *suggested recommendation* only for installers and assumes a 20°C difference between the installation temperature and the maximum temperature.





Plastic Forests

Recycling soft plastics into sustainable products

Slip resistance: When deciding if recycled plastic is suitable for your application, please consult your engineer. Consideration must be given to the planned use and specific application of the product to determine its suitability. Plastic Forests is happy to provide advice; however it remains the responsibility of the client to ensure the suitability of the product, as Plastic Forests is not an engineering company.

Colour variation: Plastic Forests makes a range of products utilising plastic that would otherwise go to landfill. The type and colour of the raw material that Plastic Forests reprocesses varies depending on supply. This can result in some colour variation in the finished product. As certain products are manufactured on different machines it may not be possible to exactly colour match items. This is an unavoidable part of the recycling process. While any variation is kept to a minimum due to high quality control standards, clients should be mindful of possible colour variation when ordering. Plastic Forests appreciates customers' understanding that they are purchasing recycled products.

Cupping: Cupping does occur during the manufacturing process. However, this does not affect the integrity or lifespan of the product. Once produced, recycled plastic will not cup any further.

Flammability: As our products are made from plastic, they may melt in extreme heat, such as a bushfire. Please see our Fire Statement for further information: <https://plasticforests.com.au/wp-content/uploads/2020/10/Plastic-Forests-Fence-Post-Fire-Statement-Sept-2020.pdf>

Air bubbles: Recycled plastic products may contain air bubbles. These occur as a result of the manufacturing process. Air bubbles will not appear on the surface of the product and in no way affect the quality.

Painting: Plastic Forests products never require painting. Should you choose to paint a Plastic Forests product, be aware that not all paints will adhere to the surface of the plastic. Once painted the product then requires ongoing maintenance.



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