

Replas Product Properties

PROPERTIES OF RECYCLED PLASTIC PRODUCTS

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

Colour variation: Replas makes a range of products utilising plastic that would otherwise go to landfill. Reprocessing multi-coloured plastic can result in the finished product having some colour variation. Splashes and swirls may also occasionally occur. This variation is a part of the recycling process and is unavoidable. We appreciate our customers understanding that they are purchasing recycled products.

Please note: when choosing colours for seating, black is to be avoided as it will reach a higher temperature than other colours.

Cupping: As Enduroplank™ is made from recycled plastic waste, cupping may occur during the manufacturing process. However, this does not affect the integrity or lifespan of the product. Any cupping, greater than 3.5 mm, detected during manufacturing will be rejected. Once produced, recycled plastic will not cup any further.

Flammability: As our products are made of plastic they will melt in extreme heat, such as bushfire. However, while plastic will melt, it does not release harmful toxins unlike treated timber.

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

Expansion and Contraction: Recycled plastic will expand and contract longitudinally depending on the temperature. This needs to be taken into consideration in the design process for all projects. Replas is happy to offer advice in this area. Please refer to the data sheets section on the website for more detailed information.

Please note: Replas will not be held responsible for any issues arising in an installation were this has not been taken into consideration.



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Polymer knots: Some Replas products contain polymer knots. These knots occasionally occur in the moulding process, but do not affect the quality of the product. In order to ensure that the appearance of our recycled plastic is consistent, we reject any pieces with knots bigger than a fifty cent piece, or where knots occur more than three times on any one item.

Please note: knots are similar to ordinary timber knots.

Size variation: Sizes quoted on our pricelist are approximate. Please allow up to 5 mm variation.

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

UV statement: 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 and green colours. The quality or performance of the product will in no way be affected.

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. Replas is happy to provide advice; however, Replas is not an engineering company. It remains the responsibility of the client to ensure the suitability of the product.

Please note: Slip resistance tests have been conducted on Enduroplank™ by Advance Technology Testing and Research (ATTAR) and the results are available on the website.

SPECIFIC PRODUCT PROPERTIES

Garden panel: Garden panels are suitable for sand pits and garden beds. Where garden panels are to be used as a retaining wall engineering advice should be sought. Depending on the installation, the amount of fasteners required may vary, please consult Replas for advice. This is particularly important where a continuous run of garden panels is to be used.

Speed humps: Replas speed humps are guaranteed for one year against manufacturer defects. No guarantee is provided for fixings. Speed humps are designed for use in off-street parking areas. The product is not suitable to be driven over frequently by trucks. The product warranty will be void if evidence suggests frequent truck use.



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