

Recycled Plastic Decking

5 reasons why you should choose British Recycled Plastic

Extremely durable, strong and vandal proof, eliminating maintenance for lower whole life costs

Ultra low carbon footprint as made from recycled and recyclable waste

No need for paint or other harmful preservatives

Does not splinter, rot, crack or fade and is totally impervious to water, algae and insects

Can be worked just like wood

Recycled Plastic Decking

British Recycled Plastic supply grooved **recycled plastic decking** profiles that are now widely used for walkways and deckings, offering great value together with improved performance.

The Materials

Recycled Plastic Lumber is the basic building block from which much of the **British Recycled Plastic** range of environmentally friendly maintenance free furniture and sustainable construction products are made.

The British Recycled Plastic range of recycled plastic lumber is rot proof, impact resistant, and algae and moss resistant. As the profiles have a skin that paint cannot penetrate, graffiti can simply be wiped clean.



The decking boards available from British Recycled Plastic Products are produced in 3600mm lengths and can be worked using standard wood working tools in the same manner as wood.



www.britishrecycledplastic.co.uk

Registered office: Unit 8C, Topland Country Business Park, Cragg Road, Mytholmroyd, HX7 5RW

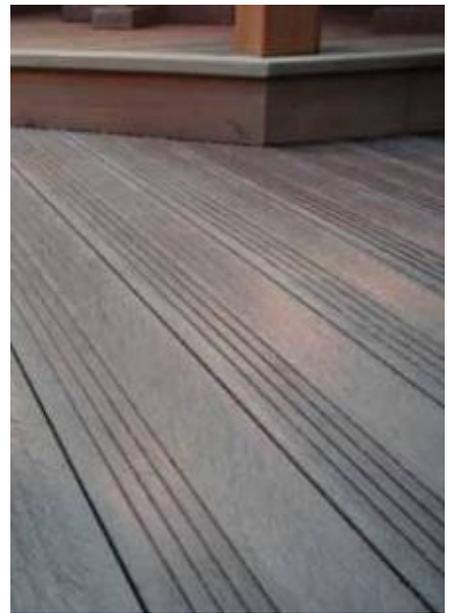
British Recycled Plastic is a trading name of Low Carbon Products Ltd
Company number 6903105 VAT 976 4519 73

01422 885761



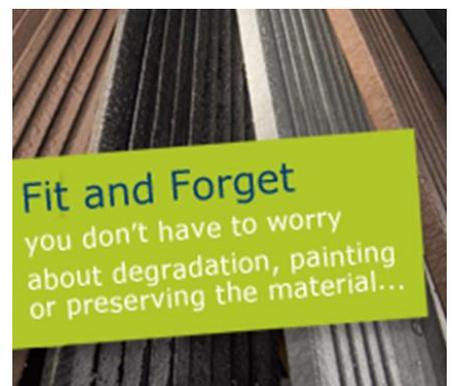
Recycled Plastic Decking

Our Recycled Plastic Decking is a **tough, durable, maintenance free alternative to timber**, offering a life span many times that of wood without the need for treatment. This means whole life costs are significantly reduced as maintenance and replacement costs are removed. Therefore as well as being environmentally friendly (made from 100% recycled post-industrial plastic, diverted from landfill) recycled plastic lumber offers significant commercial and technical benefits over traditional solutions.



Designed to replace traditional construction materials, recycled plastic profiles are impervious to water and allow for the easy and quick construction boardwalks, steps and pontoons, to name but a few applications, and is the ideal material for areas subject to flooding or standing water.

Coupled with the major positive environmental benefits, recycled plastic lumber can be used for any application traditionally solved using timber, concrete or metals, providing an economical and environmentally sustainable alternative to these materials, lowering the carbon footprint of construction projects compared to traditional solutions.



www.britishrecycledplastic.co.uk

Registered office: Unit 8C, Topland Country Business Park, Cragg Road, Mytholmroyd, HX7 5RW

British Recycled Plastic is a trading name of Low Carbon Products Ltd
Company number 6903105 VAT 976 4519 73

01422 885761



Recycled Plastic Decking

Key points to note about Recycled Plastic Decking

- Reduction of energy consumption by 66%
- Production of only a third of the sulphur dioxide
- Production of only half of the nitrous oxide
- Reduction of water usage by nearly 90%
- Reduction of carbon dioxide generation by two-and-a-half times
- 1.8 tonnes of oil are saved for every tonne of recycled polythene produced
- Lasts 5 times longer than timber
- Rot and algae proof
- Crack, chip and splinter proof
- Insect and animal resistant
- Labour saving – minimal maintenance
- Non slip
- UV resistant
- Vandal Resistant
- Less Flammable than timber
- Easy to clean
- Can be worked like timber
- Holds screws and fittings well
- Reduced Whole Life Costs
- Diverting Material from Landfill
- Reduces the carbon footprint of any project



Features and Benefits

- **Non rotting** - Does not rot or degrade with age or require any painting or chemical treatment prior to use.
- **Tough, durable and strong** - Will not crack or dry out and is resistant to attack by insects.
- **Shaped** - Can be formed into many shapes and machined using standard tools.
- **Vandal-resistant** - Is more resistant to graffiti due to its surface.
- **Versatile** - Can easily be designed for use in conjunction with other materials.
- **Eco-friendly** - Is produced using 100% recycled polythene diverting valuable waste from landfill.
- **Good alternative** - Is as realistic alternative to hardwood.
- **Long lasting** - Has a life span at least four times timber alternatives.
- **Fully recyclable** - Can be fully recycled at the end of its use.
- **Completely Inert** - Will not leach any chemicals

Recycled Plastic Decking

Expansion Intervals – Important for Installation

The lower the temperature during installation, the greater the boards may expand. The decking boards have a maximum linear expansion of 0.109mm per m per °c.

It is vital to calculate the maximum expansion of the boards in order to calculate the correct distance between boards/wall/borders.

For Example

- Installation of 3.6m board at a temperature of 15°C.
- Max. temperature expected 40°C
- Temperature at installation 15°C
- Temperature difference 25°C
- Interval =0.109mm per m per 10°C
=0.109mm x 3.6 x 25
=9.81mm



Working with Recycled Plastic Decking

Our Recycled Plastic Decking can, in principle, be worked in the same manner as wood with the same woodworking tools. For sawing and drilling we recommend working the recycled plastic steadily and slowly. The general rule is to choose a cutting speed which prevents the material melting on the surface of the tool. At low temperatures, the recycled plastic will be slightly stiffer. However, due to the combination of materials used in the construction, the recycled plastic exhibits good physical properties to at least 20 degrees below zero. In warm weather conditions the material tends to become slightly tougher and more flexible.

- **Drilling** Use metal or wood bits (HSS or HM type). Spiral or speed bits are both acceptable – do not use a high drilling speed. See table below.
- **Sawing** RPLs can be sawn with a handsaw, circular saw or a chop saw. See table below.
- **Rolling, Milling and Planing** All of these techniques can be used with our profiles. Care is required and experimentation on scrap material is advised.