

| Specification | | |
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| Description | Manufactured from 100% high quality recycled mixed plastic waste, from post industrial and consumer use, and contains non toxic selected process additives providing colour and rigidity. Products of Kedel ductile have high impact resistance. The textured surface of these products gives an attractive finish. | |
| Production Process | The polymer is blended and fed under high temperatures and pressures into moulds. | |
| Finish | The surface is evenly coloured and has a textured appearance. | |
| Properties | <ul style="list-style-type: none"> ◆ Maintenance free ◆ Durable ◆ UV resistant ◆ Splinter free ◆ Frost proof ◆ Impervious to fungi and insects ◆ Does not leach toxic substances | <ul style="list-style-type: none"> ◆ Wear resistant ◆ Acoustic sound proofing ◆ Resistant to most chemicals ◆ Will not rot ◆ Environmentally friendly ◆ Insulating ◆ 100% recycled and recyclable ◆ Shock resistant and flexible |
| Performance | Properties | Example Values |
| All figures quoted are typical values and for guidance only | Density (ISO 1183-1) | 1,0062 g/cm ³ |
| | Thermal expansion coefficient | 0.00018993 mm/m/°C |
| | Moisture absorption (ISO 62) | <1 wt% |
| | Tensile modulus (ISO 527-2) | 659 MPa |
| | Tensile strength (ISO 527-2) | 9.65 MPA |
| | Flexural modulus (ISO 178) | 581 MPa |
| | Flexural strength (ISO 178) | 20 MPa |
| | Impact resistance - Charpy test - (ISO 179) | 412 KJ/m ² |
| Chemical Stability | Resistant to most common chemicals - contact us for specific info | |
| Typical Uses | Kedel ductile is used for the production of bench slats, decking boards, board profiles, fence panels, sandboxes and outdoor furniture. | |

KEDEL

ECO-FRIENDLY PLASTIC PRODUCTS

About us

Sustainable ideas



What's the big idea?

This family business was founded on ethical and ecologically sound principles.

We wanted to make sustainable living attractive - easy to incorporate into our personal and working environments.

We believe this will bring us all healthier, happier lives, a much better future, infinitely sustainable, for all generations to come.



How will we make it happen?

'Together' is the only way we will be able to protect the future successfully.

We will work with architects, specifiers, builders, local authorities, housing associations, and all our customers, both commercial and domestic, to pool our most innovative ideas.

We will recycle plastic in ever more novel ways, like those you see here.

We will use British recycled plastic.

Recycled plastic from Asia has a huge carbon footprint due to transportation and is very far from environmentally friendly.

Production of recycled plastic releases **250% less CO2** into the atmosphere than production of virgin plastic.



It's the law

The construction industry will be responsible for 1/5th of all greenhouse gasses by 2025.

Use of recycled materials is already a legal requirement in new build and refurbishment of housing stock.

The Government's target is to ensure we construct only carbon-zero dwellings by 2016.



Don't wait

It will save you time and money right now!

Maintenance and replacement costs are substantially reduced through the use of our recycled plastic building materials.

Payback of your initial investment is estimated to be in as little as 2 - 4 years.

Get a reputation for the maintenance free quality of your building projects.

Call us now on 01282 861325.

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