



ECO-FRIENDLY PLASTIC PRODUCTS

Recycled Mixed
Plastic
Specification
Kedel Robust

Specification

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. Kedel Robust has a high level of stiffness and is extremely resistant.	
Production Process	The polymer is blended and fed under high temperatures and pressures into moulds.	
Finish	Kedel Robust has a knot free, textured surface and is evenly coloured. The natural colour version is very similar in appearance to concrete, whilst the brown version resembles wood.	
Properties	<ul style="list-style-type: none">◆ Maintenance free◆ Durable◆ Can be worked as wood◆ Splinter free◆ Frost proof◆ Impervious to fungi and insects◆ Does not leach toxic substances	<ul style="list-style-type: none">◆ Wear resistant◆ Will not rot◆ Environmentally friendly◆ 100% recycled and recyclable◆ Insulating◆ Acoustic sound proofing◆ Shock proof and flexible◆ Resistant to most chemicals
Performance	Properties	Example Values
All figures quoted are typical values and for guidance only	Moisture absorption (ISO 175)	<0.2 wt%
	Tensile modulus of elasticity (ISO 527-1)	742.2 MPa
	Tensile strength (ISO 527-2)	12.64 MPa
	Flexural modulus of elasticity (ISO 178)	641.8 MPa
	Flexural stress at 3.5% outer fibre strain (ISO 178)	18.42 MPa
Chemical Stability	Resistant to most common chemicals - contact us for specific info	
Typical Uses	Ideal for Palisades, L-stones, Sleepers, Posts and Slabs.	



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.

sales@kedel.co.uk • www.kedeltrade.co.uk

