

Better by recycling...

Using mixed UK-sourced plastic waste, ReformedPlastics produces high performance products that are 100% recycled and 100% recyclable. However, the environmental credentials of the ReformedPlastics range is only part of the story. In most instances ReformedPlastics products out-perform traditional alternatives thus removing the usual barrier to accepting recycled solutions.

Better for the environment...

Energy	Sulphur Dioxide	Nitrous Oxide	Water	Carbon Dioxide	Oil
Saves ↓	Saves ↓	Saves ↓	Saves ↓	Saves ↓	Saves ↓
66%	66%	50%	90%	250%	1.8 tonnes

1 tonne of ReformedPlastics material vs. 1 tonne of virgin plastic

Product Benefits



ReformedPlastics can be cut, screwed, nailed and bolted just like timber... but ReformedPlastics have the following benefits over timber...

- Stronger and more durable
- Maintenance free
- Uniform dimensions
- Consistent quality - no knots, splits or shakes
- Less flammable
- UV and insect resistant
- Impervious to water
- Resistant to algae

Innovative Recycling Technology



ReformedPlastics are produced entirely from waste plastic that would have been destined for landfill.

- 100% recycled
- 100% recyclable
- Each tonne used saves 1.66 tonnes of CO₂



British technology using British plastic waste for British projects.

Specification		
Description	Reformedplastics Is Made Up Of 100% High Quality Plastic Residue From Post Industrial And Commercial Use And Where Necessary Selected Process Additives	
Composition	Reformedplastics Is Composed Of A Proportion Of LDPE (Low Density Polyethylene) HDPE (High Density Polyethylene), PP (Polypropylene), ABS (Acrylonitrile Butadiene Styrene Co-Polymer), HIPS (High Impact Polystyrene) And Other Thermoplastic Materials	
Production Process	The Polymers Are Ground, Mixed And Fused Under High Temperatures And Pressures Into Pressed Moulds.	
Finish	The Surface Is Knot-Free, Evenly Coloured And Shows A Textured Structure	
Properties	Maintenance Free	Wear Resistant
	Durable	Non-Rotting
	Can Be Worked As Wood	Environmentally Friendly
	Splinter-Free	100% Recycled And Recyclable
	Frost-Proof	Insulating
	Insensitive To Fungi And Insects	Acoustic Sound Proofing
	Does Not Leach Toxic Substances	Shock-Proof And Flexible

Performance	Property	Value
All Figures Quoted Are Average And Should Be Checked For Specific Applications	Density	0.924 - 0.966 Kg/dm ³
	Linear Expansion Coefficient	0.068 - 0.075 mm/m/°C
	Moisture Absorption	< 0.46%
	Vicat Temperature	-107°C
	Pull-Out Value	3095 N
	E-Module	500 - 570 MPA
	Breaking Strength	15.5 - 17.9 MPA
	Elongation At Break	3.7 - 14.9%
	Maximum Pull Strength	15.5 - 17.8 MPA
	Elongation At Maximum Pull Strength	3.5 - 4.8%
	Impact Resistance	
	Average	12.5 - 17.8 Kg/m ²
	Average	0.48 - 0.7 J
	Bending Test	
	E-Module	550 MPA
Maximum Press Force	22.2 MPA	
Bend At Maximum Press Force	7.5%	
Chemical Stability	Methanol	No Visible Damage
	Methyl Ethyl Ketone	No Visible Damage
	Synthetic Thinners	No Visible Damage
	White Spirit	No Visible Damage
	Grease/Oils/Petrochemicals	No Visible Damage
	Domestic Bleach	No Visible Damage
	Acids	No Visible Damage