



Recycled products range

Nailer Profiles & Battens



Product Benefits

Nailer profiles can be cut, screwed and nailed just like timber but has the following benefits over timber:

Stronger and more durable

Uniform dimensions

Consistent quality - no knots, splits or shakes

Less flammable

Insect resistant and fungi resistant

Impervious to water

Will not crack, chip, split or break

Innovative recycling technology

The TDP Recycled Products Range is produced entirely from mixed waste plastics that would have been destined for landfill

100% recycled

100% recyclable

Each tonne used saves 1.66 tonnes of CO₂



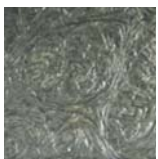
Specification

Description	Made using 100% high quality recycled mixed waste plastic from post industrial and consumer use and where necessary selected process additives.	
Composition	Nailer profiles are composed of a proportion of LDPE (Low Density Polyethylene), HDPE (High Density Polyethylene), PP (Polypropylene) 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	<ul style="list-style-type: none"> Maintenance free Durable Can be worked as wood Splinter free Frost proof Insensitive to fungi and insects Does not leach toxic substances 	<ul style="list-style-type: none"> Wear resistant Non-rotting Environmentally friendly 100% recycled and recyclable Insulating Acoustic sound proofing Shock proof and flexible

Performance	Property	value	
All figures quoted are averages 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 MPA	
	Breaking strength	9.0 – 15.5 MPA	
	Elongation at break	14.9%	
	Maximum pull strength	15.5 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
	Bend test:	e-module	550 MPA
		Max. press force	22.2 MPA
Bend at max. press force		7.5%	
Chemical stability	Resistant to most common chemicals - contact us for specific information		

Ref: 22483 Date: 01.12

Dimensions:	38 x 38 x 3000mm
	50 x 25 x 3000mm



Black



Mid-brown



4765



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