



RECYCLED PLASTIC PANEL

MATERIAL
CONSIDERATIONS

Disclaimer: The information contained in this datasheet was supplied by the company that supplied this product.

Architecture + Design Scotland
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Related Products:

Other companies that manufacture and supply this product are:
none

under development

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Panel2Panel Ltd
This product was kindly donated to the library by:

Name of Product:	ePanel
Description of product:	Structural construction panel comprising a hardwearing aesthetic skin, and a foamed mixed core. The panel is 46mm in total thickness, and is extremely strong, taking over 400Kg in cantilevered loading (wall hung WC) without concern.
Geographic availability (locally/Scotland/UK/ Europe/Worldwide):	UK
Origin / Location of manufacturing / Processing plant:	Dalbeattie, Southwest Scotland
Cost per unit (£):	£250 per panel (900x2700mm)
Application and typical uses of the product:	pre-finished interior modular walling, wet rooms, sports walling, modular washroom panels, acoustic walls, acoustic fencing, exterior cladding, external insulation, hoarding
Breakdown of product (% of each component part):	100% recycled plastics
Embodied energy (Processing plant emissions). How much energy is used to produce the product? kWh per annum or kgCO₂:	33.24 KgCO ₂ e
Thermal conductivity (k) W/m²C or Thermal transmittance (U-value) - W/m²C (if applicable):	0.101W/m.K
Reliability/ Maintenance: Frequency (times per annum) and Associated costs (£ per annum):	None
Lifespan of materials if maintained correctly (years):	Assessed to be 30 years or more.
Availability - abundance and supply of raw materials:	Abundant
Availability - supply vs demand. Turnaround in production of material (quick/medium/slow):	Quick but dependant on the specification of project.
Does the material need to be processed further or treated by the user:	No
Installation - how complex is installation, is a specialist contractor required? (issues/risks):	Very simple to install.
Types, textures, specifications and colours currently available:	Panels are naturally light grey with a matt or gloss finish available, this is impervious to water and most cleaning agents and can be subsequently painted or tiled if desired. It can also be delivered pre-finished with a secondary aesthetic foil with over 200 finishes including RAL colours and woodgrains. Anti-microbial options also available.