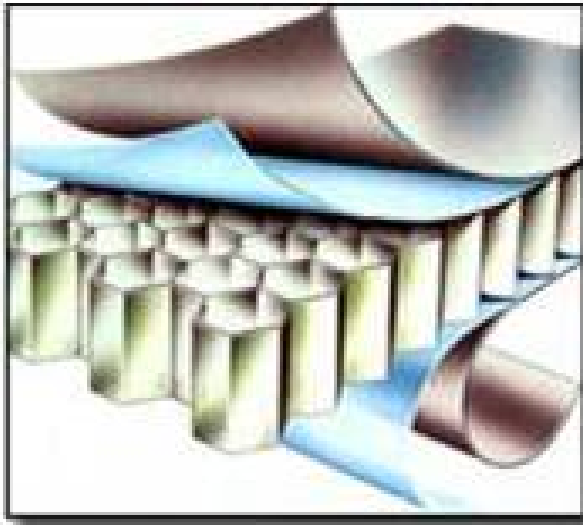# Falconboard

1/ Material Specification

Falconboard is a rigid substrate made from a recycled paper honeycomb core with laminated paper facings of various paper grades to suit application and performance requirements. Recycled paper fibre content of Falconboard ranges from 25% for Mount and Print variants, to 95% for the Build version.

The paper honeycomb for all variants is made from recycled paper with a recycled paper fibre content of 87%. We buy the recycled paper in large reels, from which we make the paper honeycomb core, this is a continuous paper honeycomb stream for feeding into the Falconboard Laminating Line.

On the Falconboard laminating line the paper honeycomb stream is expanded to the manufacturing width and fed through a glue application process. The next stage of the process applies the paper facings from large reels to either side of the paper honeycomb. The laminated substrate then passes through drying and cutting processes before the Falconboard is discharged onto pallets.

The finished Falconboard is then packed for bulk dispatch, Packed in custom made corrugated boxes or transferred to the cutting department for cutting to clients size requirements.

Benefits of our lightweight board for printers and end users
Printer
Lightweight, easy to carry
Easy to fabricate
Easy, high quality print
No static electricity
Truly rigid
Easy to recycle

Competitively priced
Offer your customers a 100% Eco-alternative
Stronger longer lasting solutions

End user
Easy to recycle
Help you reach your green initiatives
High quality
Suits all budgets
lightweight and easy to install solutions
Falconboard can be direct-printed, upholstered, laminated,
veneered, pressed with decorative foils or painted. It can be mitre cut, folded or
curved, shape cut, photo-mounted and fastened with Velcro, hot-melt adhesive or
magnetic strips…the possibilities are only limited by your imagination.

Product properties
1. Appearance
The surface of the material is free of blisters, foreign matter, marks, etc. The colour and
finish is a commercially acceptable match to the customer approved master sample.
2. Product attributes
Excellent rigidity and stability under representative indoor humidity and temperature fluctuations.
Excellent condensate and moisture hold out under varying conditions.
3. Environmental attributes
All components are classified as non-hazardous according to the EEC HAZARD
CLASSIFICATION.
All components are not considered as chemical or biological hazards.
All components have supplier certification of repulpability.
Honeycomb core consists of 97% post-consumer fibre waste.
Print version is FSI certified
4. Classification of fire behavior
B3 as per DIN4102. for Print and Mount versions. B2 for Build version.
No toxic fumes when burned.
Low fire load rating based on low calorific value when burning.
5. Converting and application specifications
• Recommended application temperature range: 5° and 45°.
• Recommended room temperature for CNC cutting: 21° ± 3 °.
6. Printability characteristic
Printable on both sides.
Both sides show the same visual surface properties as well as print performance.
Excellent printability: solvent screen, UV digital and screen.
Falconboard™ is classified as fully re-pulpable in normal paper and pulping lines