

## Environmental Statement

### SmartPanel:



- is a co-extruded, semi-rigid thermoplastic polymer sheet, which is intended as a lamination material suitable for bonding to a wide variety of substrates including E Zero and CARB 2 MDF.
- consists of an ABS (acrylonitrile butadiene styrene) coloured layer, which is permanently fused with a clear ultra-high gloss Acrylic (Poly Methyl Methacrylate) top layer. polymer sheet is an inert material and does not release any emissions to the environment during manufacture or in use.
- is hygienic and does not promote bacterial growth or transmission. All the colour pigments used in sheet do not contain heavy metals such as lead or cadmium.
- offers significant environmental advantages compared with other high gloss finishes. manufacturing process emits no VOCs unlike two pack spray paint, and can be recycled.
- recommended lamination adhesive systems include water based EVAs and PUR reactive hot melts. Neither system emits any volatiles during the lamination process or during the life of the finished board products.
- polymer sheet can be treated as ABS for recycling purposes and falls under the Styrene group of polymers. can be removed from the substrate by passive immersion in water. sheet can then be recycled using mechanical means by grinding and pelletising for reuse in a multitude of extruded or injection moulded products.
- The sheet material recycling process only consumes around 15% of the original energy consumption required to manufacture the initial sheet material.
- can be cleaned and maintained using warm soapy water, and does not require the use of harsh or volatile chemicals. can be refinished in situ many times and will remain functional for many years.
- is wholly manufactured under the Environmental Management System, which has been independently accredited to ISO 14001.