Smile Plastics
Product Brochure
Smile Plastics is a materials design and manufacturing house making exquisite hand-crafted panels from waste materials.

On top of our classics range of panels, we also offer limited editions and a bespoke materials service, as well as a custom design and build service.

Our materials have inspired designers around the world, and have been used in wide-ranging applications from small products to large-scale installations in both residential and commercial premises.

Our mission is to change people’s perceptions around waste via innovation – to use art and technology to unlock the hidden potential in recycling, and open their eyes to the unexpected beauty of scrap. In doing so, we hope to inspire more people about sustainability and recycling.
The Classics

The materials in our classics range are all lovingly hand-crafted, with every quirk, imperfection and mottle telling a different recycling story.

Each one has been tried and tested in a wide range of applications, from store design through to furniture and product design.
Alba

With its white, marble-like surface and hints of gold and silver, this is an elegant-looking material that suits a wide variety of applications. And it's not just easy on the eye: closer inspection of Alba's surface reveals fragments of yoghurt labels or a glint of silver foil that draw us in and reveal the plastic's unique recycling story.

Waste from manufacturing yoghurt pots

Ocean

Awakening people to the amount of plastic in our seas, our limited edition 'Ocean' material celebrates marine beauty.

By collecting and recycling waste plastic, we can preserve the natural world whilst also creating something lasting and beautiful for ourselves.

Waste from food packaging
Black Dapple

Waste from chopping boards and food packaging

Blue Dapple

Our Dapple material reminds many people of the cross-section of a cabbage, and many others of marble, yet we can't decide who is right.

Playful yet sophisticated, Dapple's high contrast patterns give it a lively personality that evoke the material's millions of years of biological, geological and man-made processes.

Waste from chopping boards and food packaging
Kaleido

A chromatic explosion made from upcycled cosmetic bottles, Kaleido is every maximalist’s dream. Bold, beautiful and mesmerising, many people have bought our Kaleido panels as wall art for contemplation.

Closer examination of the material’s surface yields clues about its recycling journey, with smatterings of bar codes and labelling becoming visible.

Waste from recycled plastic bottles

Charcoal

Our Charcoal material reminds us of stargazing on a cloudless night and seeing the sudden motion of a shooting star or comet.

Charcoal adds a subtle energy to any space, is easy to work with and pairs well with other plastics. In addition, the thinner 5mm material is translucent and can be back-lit.

Waste from food packaging
Properties & Benefits

**Benefits**

- **Highly versatile** - can be used in a wide range of applications
- **Unique** - Each panel is different
- **Handmade** - Each panel is laid out by hand
- **Sustainable** - 100% recycled and 100% recyclable
- **No VOC offgassing**
- **Easy to clean and maintain**

**Properties**

- Hard, dense, rigid, moderate UV resistance, some scratch resistance, 100% waterproof and good weather resistance, rot proof
- Solid material all the way through - a decorative edge
- Can be cut, drilled, machined (e.g. router or CNC), water cut cut and fixed using adhesives or screws
- Can be heat formed
- Can be polished post purchase to look like marble
- It is heat resistant up to 95 degrees

**Applications**

- **Store Design** - plinths, wall cladding, furniture and fittings in retail outlets, bars and cafes
- **Office Design** - furniture and fittings
- **Residential** - bathrooms, wetrooms, kitchens, shelving, furniture, wall cladding
- **Furniture Design** - interior and exterior furniture
- **Product Design** - homewares
- **Recreation** - playgrounds, swimmingpools, spas
Panel Options

Dimensions

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>5mm</td>
<td>1000mm</td>
</tr>
<tr>
<td>12mm</td>
<td>12mm</td>
</tr>
<tr>
<td>20mm</td>
<td>20mm</td>
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</tbody>
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*The listed board thicknesses are nominal.
*Thermal expansion of some sheets can be 2mm per meter over a 10 degrees Celsius change.

Ordering and Conditions

Email info@smile-plastics.com with your order. Upfront payments required by bank transfer.

We hold very little stock at present and therefore panels are made to order with lead times of approximately 6-8 weeks for our Classics range and 3-4 months for our bespoke materials.

You can purchase samples via our website, these are £2 each plus postage; we post worldwide.

Every board is unique and colours and patterns do vary within and between sheets. Where minimisation of colour variation is critical, discuss your needs with us prior to order.

If you would like to see our materials in person or on a larger scale then you can make an appointment to come and visit the showroom via email.

We try very hard to make our sheets as blemish free as we can, but they are not perfect; for example they may have dimples and minor marks which are outside our control.

Smile Plastics terms and conditions apply to all sales.

*Some sheets come 2090x1090mm with unfinished edges
Design Your Material

We work with a diverse set of businesses to create custom panels. We are able to create materials exclusively for you from a range of different waste streams and using a wide variety of colour palettes. Please note there is usually a 3-6 month lead time for bespoke projects, and costs vary substantially depending on the work required. Materials we have worked with: thermoplastics (e.g. HDPE, PET, HIPS), paper, textiles and organic materials like tea, spices and coffee grounds.

Colour

We can make up materials in most colours including metallics, with both opaque and transparent options.

Properties

If you require specific technical properties for your material e.g. tensile strength or fire resistance we may be able to meet your needs.

Dimensions

At the moment our standard dimensions are 2000mm x 1000mm in 5mm, 12mm and 20mm. If you require a different thickness, this might be something we can offer subject to minimum orders or a tooling charge.

1. Send us a mood board with your requirements
2. We create one or a series of test tile to assess
3. Testing for large scale production if necessary
4. Run production of full scale panels
Applications

Store Design

Selfridges - Womenswear Dep.

Selfridges - Womenswear Dep. Selfridges - Home and Dining Dep.

Selfridges - MiH Jeans

Eastern Biological Shop - Archmongers Architects

Selfridges - MiH Jeans
Cafes, Restaurants and Bars

Ace Hotel - Design by Michael Marriott

Yard Sale Pizza - Interior by Fettle Design

Exhibition Design

Wellcome Collection - 'Electricity - The Spark of Life' Exhibition

Residential

2 Lovely Gays Interior design
Art & Sculpture

Ecal Bachelors Industrial Design and Fine Arts Exhibition

Product Design

Kuf Studios x Fay McCaul Screen at the Saatchi Gallery

Countach Studio Furniture design