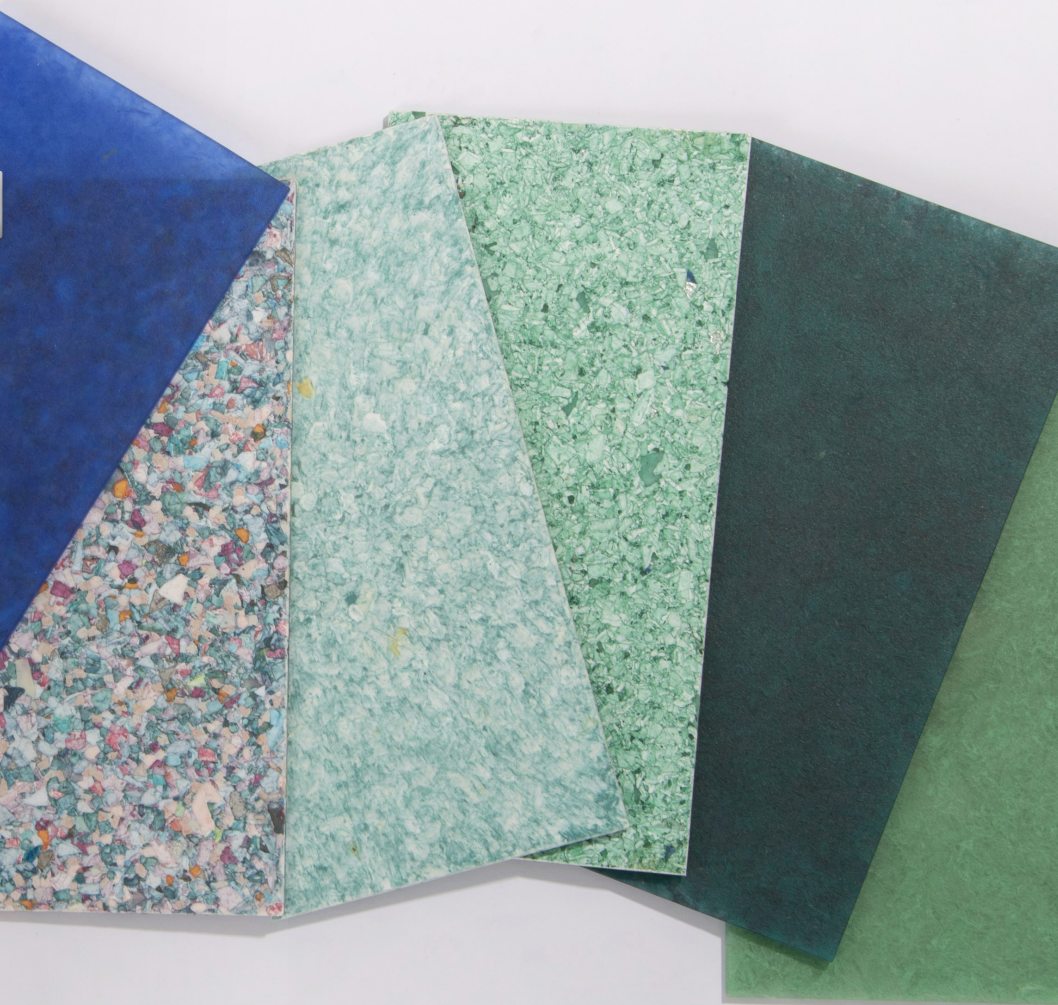


SMILE PLASTICS



CUSTOM
LOOKBOOK

CUSTOM MATERIAL DEVELOPMENT

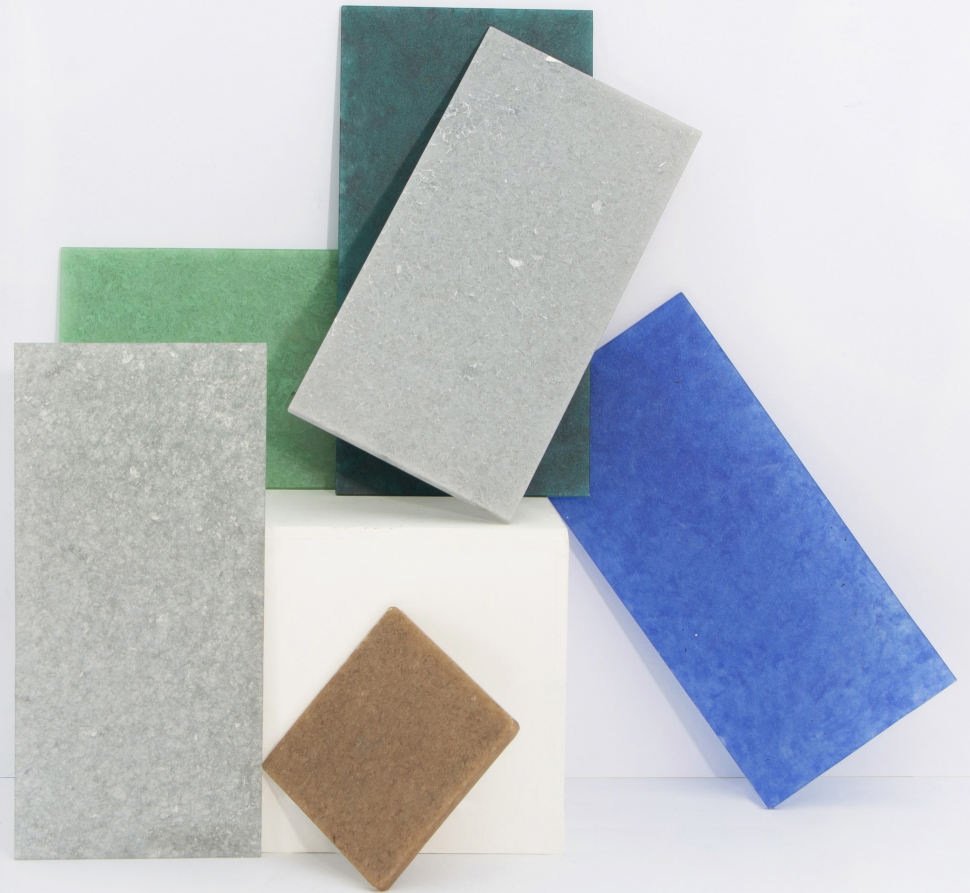
Smile Plastics is a materials design and manufacturing house creating handcrafted decorative panels from waste. We want to create the most beautiful circular plastics in the world – 100% recycled and 100% recyclable materials.

Custom material development is what we get most excited about and its direction can focus on one or several themes:

1. Aesthetics
2. Material source
3. Application
4. Format / Finish

We go on a journey with you, helping to bring your inspiration to life.

↓ Range of custom materials



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WHY USE OUR MATERIALS

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DEVELOPMENT THEMES

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MATERIAL SOURCE

APPLICATION

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GET STARTED

BENEFITS

MATERIAL PROPERTIES

POTENTIAL APPLICATIONS

Highly versatile

Wide range of applications from products and furniture to large-scale sculpture and construction

Unique

Good consistency between panels, but each one will have its own distinct pattern

Handmade

Each panel is composed by hand

Sustainable

Our classics range of materials are 100% recycled and recyclable and we would aim to achieve the same level of sustainability for any custom material we manufacture

Easily cared for

The materials are easy to work with, clean and maintain

Hard, dense and rigid

Though we can produce softer, rubber-like Custom materials

100% waterproof

Rot-proof and strong weather resistant

Solid and consistent

Allowing you to have a solid and consistent decorative edge

Moderate scratch resistance

It can be refinished

UV resistant

Except our rHIPS based material, which can be refinished to restore its original aesthetic

Reshaping

Can be heat formed into shapes

Finishing

Matt / planed finish and can be polished

Fabrication

Can be machined, drilled, cut (router, CNC), water cut and fixed using adhesives and screws

We offer a cutting service, buy back scheme and can make custom materials to order

Note: we don't generally recommend our materials for kitchen countertops

Please read our handling instructions and data sheets before making an order, to assess our materials for your intended application

Sign up for a free [Lookbook](#) of material applications

For more ideas head over to our [Lookbook](#) section

There's an almost limitless number of ways to use our materials, with the following applications being particularly successful:

Store and Exhibition Design

Plinths, display counters, cabinets, signage, partitions and furniture

Bar / Cafe / Restaurant Design

Countertops, tabletops, partitions, bathrooms, toilet cubicles

Office Design

Tabletops, shelving, seating, bathrooms

Product and Furniture Design

From jewellery to homeware, to dining tables, both indoor and outdoor

Residential

Panels, countertops, splashbacks, cabinet doors, furniture and shelving

Recreation

Playgrounds, swimming pools and spas

Bathroom Design

Bathroom panels, wet rooms, cabinet doors, splashbacks, counters, bathroom furniture and shelving

AESTHETICS MATERIAL DEVELOPMENT

Whilst there are some constraints in the visual language and patterns that we can produce with our raw materials and unique processes, there is real freedom to play with colours, patterns and styles based on your mood board.

You may be after some tweaks to a current or previous edition of a Smile Plastics material, or want to develop more complex patterns that evolve across multiple sheets for a larger-scale installation. We colour match across the colour spectrum (including metallics) and can play with colour gradients, fleck sizes and ratios, and larger format patterns / effects.

Our standard surface finish is a matt finish. We can also create satin finishes subject to a MOQ's of 20 sheets.

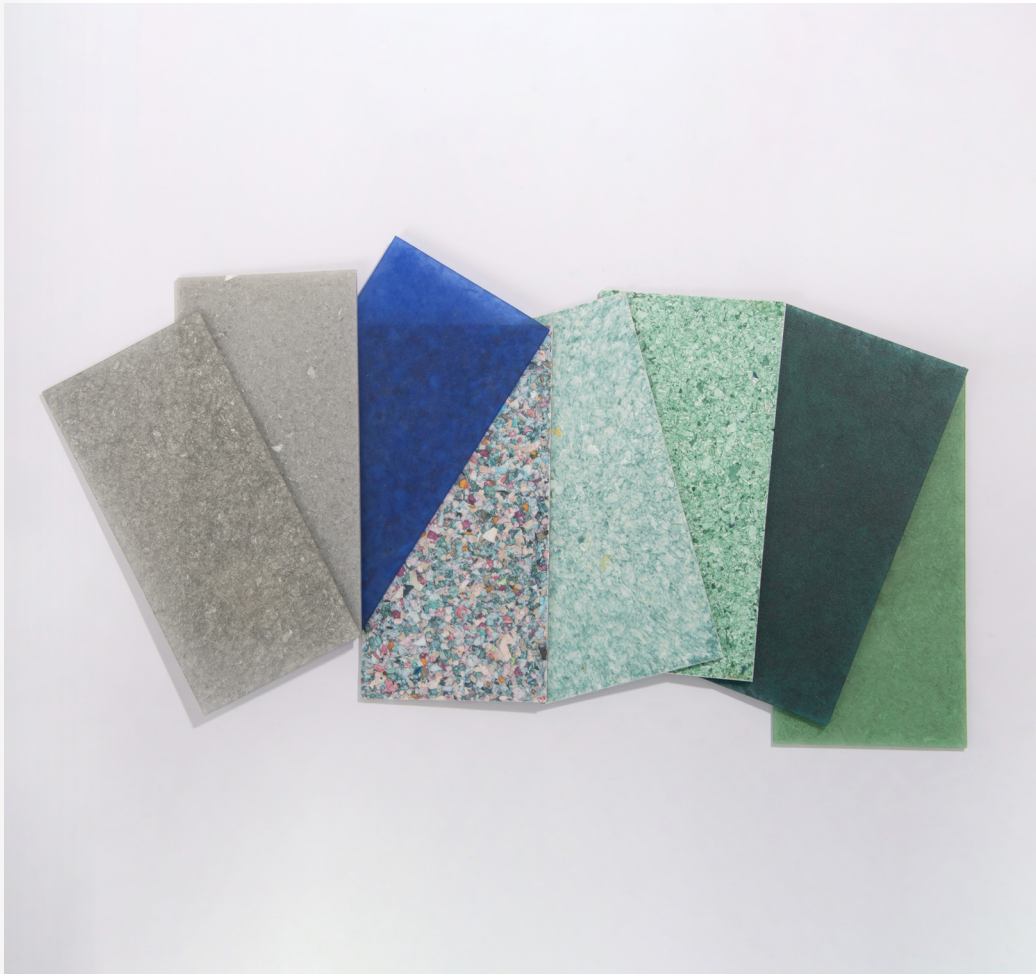
↓ Baobab Cafe Berlin, Blue and Yellow Alba



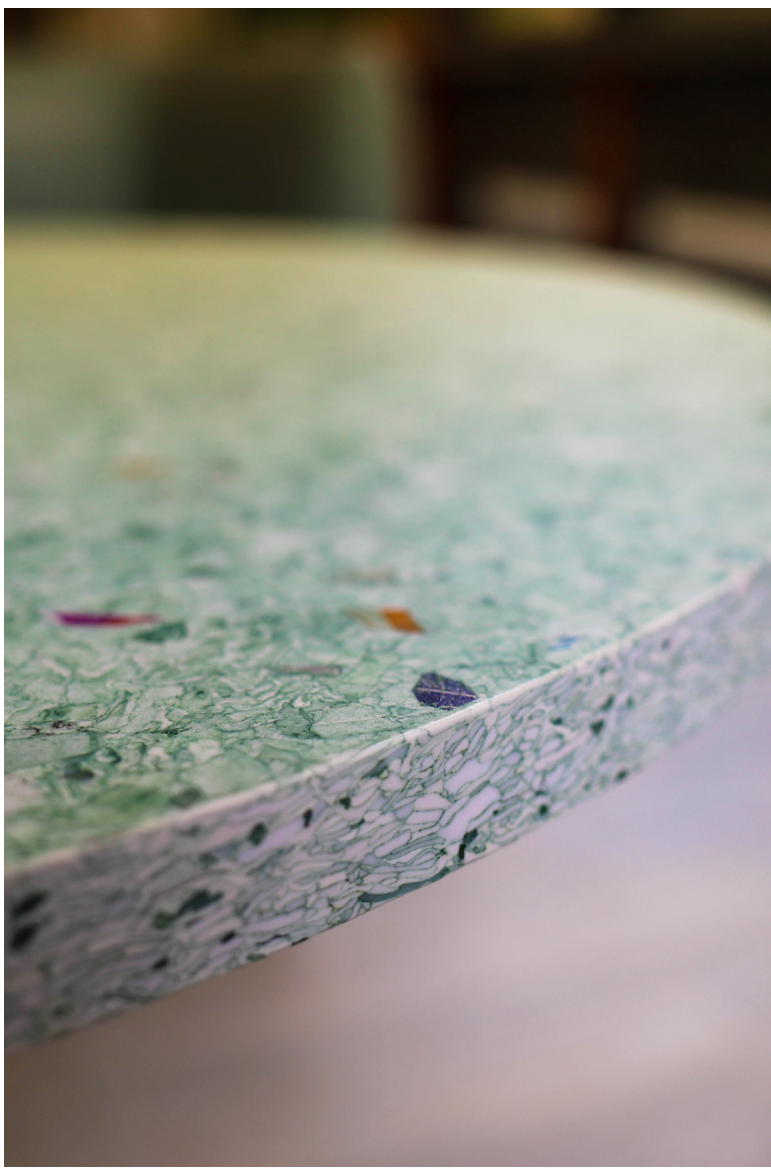




↑ Colour-matched washes of Alba-style material



↑ Colour-matched washes of Grey Mist-style material

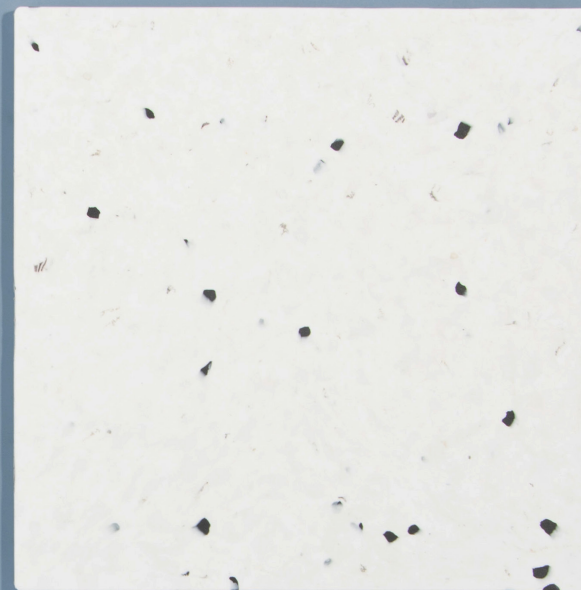
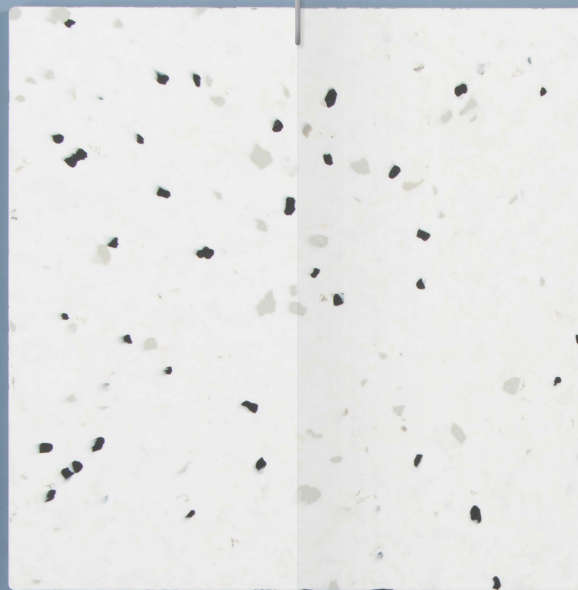


↓ Green colour washed Alba-style material, University of the Arts London





↑ Design and images by Jeffrey Hutchinson Associates,
Holt Renfrew Ogilvy.

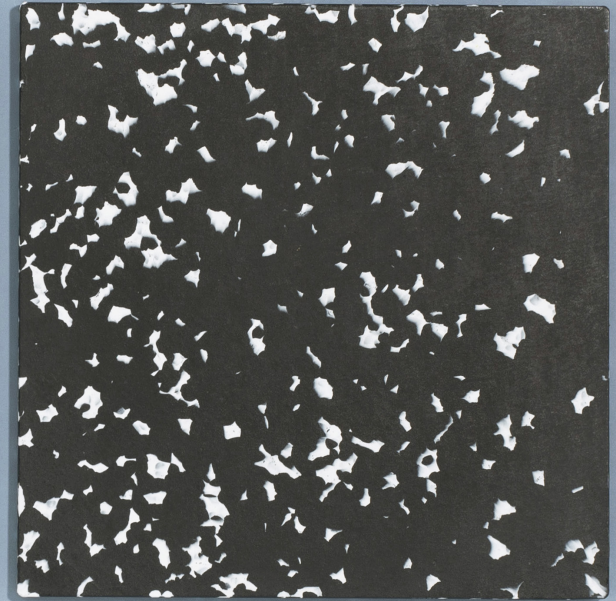
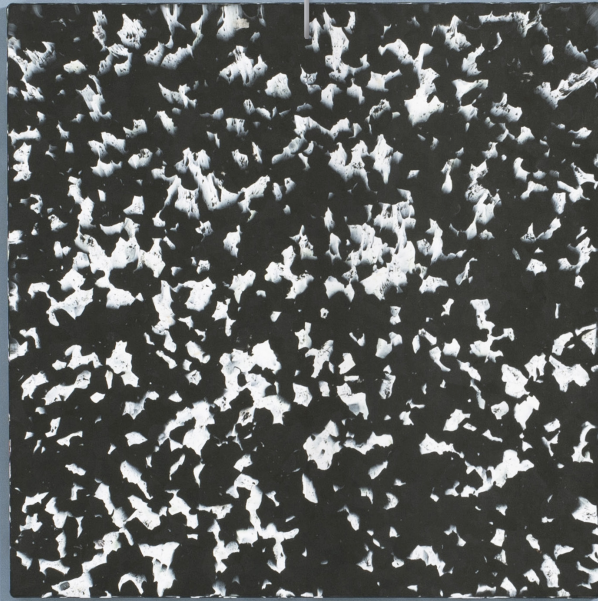
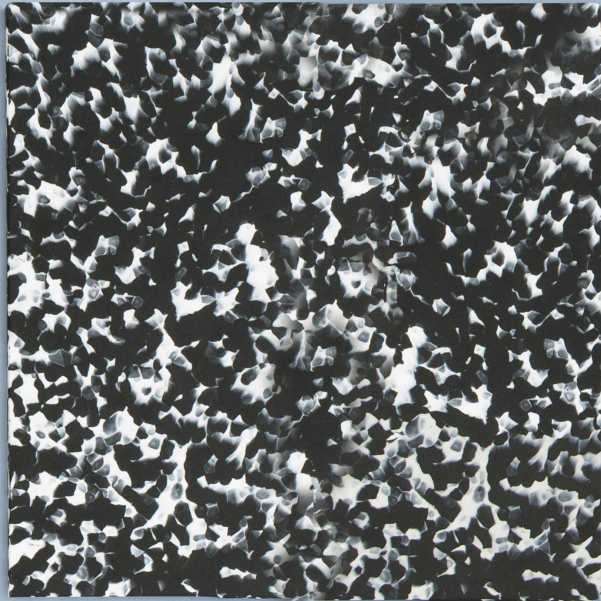


↑ Changing fleck ratios of black, white and grey on a Custom Alba material



↑ Space 10 x Open Desk
Image by Nikolaj Thaning Rentzmann





↑ Changing fleck ratios of white to black on our Explorer material



↓ Granville Park, designed by 2LG Studio





↑ Large scale placement patterns across the sheet, Studio Smile Statement Table





↑ Introduction of specific-coloured flecks on our white and black backgrounds





↑ Playing with fleck sizes and shapes e.g.
to create a terrazzo-effect material





↑ Creating an ombre or gradient effect material
either within or between sheets





↑ Ombre custom material for LA Sneakerstore, designed by Bofink Studio

MATERIAL SOURCE DEVELOPMENT

We can work with an array of thermoplastics, papers, organic materials and memorabilia to create encapsulated or fully integrated materials.

We're happy to review any input sources you'd like us to use for a one-off sheet right the way through to a large-scale roll-out of materials from your waste.

Source materials we have worked with include: CDs, banknotes, wellies, electric cabling, Christmas decorations, toys, papers, plastic straws, wood shavings, coffee grounds, foliage and marine litter. Note: we can't work with heavily contaminated waste or metals.

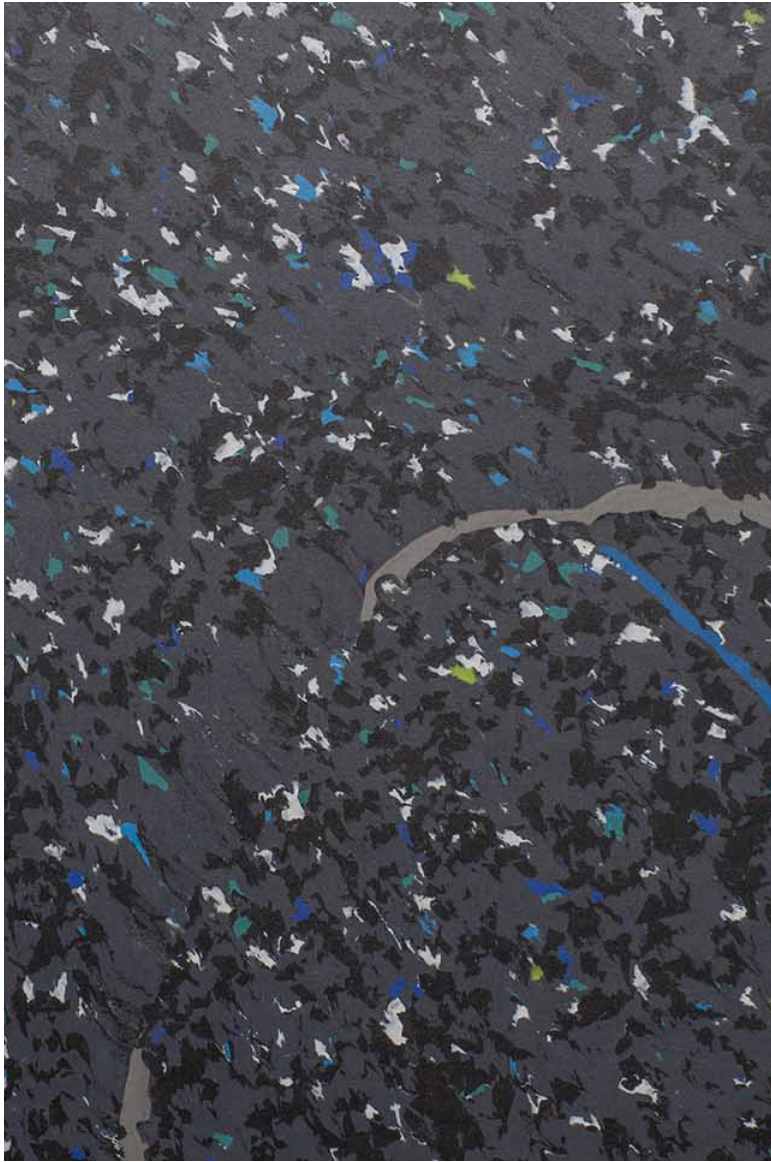
↓ Christmas Tinsel, Selfridges





↓ Christmas Tinsel, Selfridges





↑ Material made from recycled electric cabling

↓ 'Electricity - The spark of life' Wellcome Collection, image by Michael Bowles





↑ Straws, electric cables and bank notes with recycled packaging



↑ Valchromat material composite

APPLICATION MATERIAL DEVELOPMENT

We can look at developing materials that have mechanical or technical performance requirements better suited to your project than our standard materials. This could include material flexibility, UV, weather or fire performance criteria.

↓ Recycled electric cabling





↓ Sanremo Verde Coffee Machine made from recycled coffee grounds



FORMAT FINISHING DEVELOPMENT

Our standard thickness formats are 5, 12, and 20mm but we are able to supply other thicknesses on request. **Contact us** for more details.

We offer a cutting and fabrication service to achieve semi-finished parts and finished products. However, there may be times where moulded objects are better aligned with your desired outcome.

↓ Studio INI installation, Somerset House





↑ Studio INI installation, Somerset House



↑ Examples of Custom and standard thickness formats



GET STARTED

Feeling inspired and interested in using our 100% recycled / 100% recyclable materials?

Are you feeling adventurous and want to create your own Custom material?

For us to advise on your Classics or Custom project it's so important that you provide as much information as possible at the start. Including: order volume requirements, your intended application, repeatability / consistency requirements and any mood boards / visual

You'll also need to consider:

Minimum Order Quantity (MOQ)

Our minimum order is one sheet of 3000 x 1200mm, and the maximum is as many sheets as you desire!

Lead times

Lead times depend on volume and the complexity of the project. It could range from 3 weeks from sign-off for lower volume orders of easily adapted materials to several months for more complex projects.

Ready to Go? Click on **Get Started** to link to our website or connect with our Customer Service team via info@smile-plastics.com

↓ Baobab Cafe Berlin Blue, Yellow Alba



AESTHETICS

What colours / patterns do you want?

Colour palettes, moodboards, mock-ups and inspirations can all be very helpful. We can usually colour match RAL colours by eye if required.

Do you have a preferred plastic type?

They can look and feel different, so if you have a strong preference please tell us.

What is the end-use?

If we know this, we can advise which materials and thicknesses would be best for your application.

How much material do you need? Is this a one-off order, or will you need lots of material over a long period of time?

These can affect the costs and production methods we use.

Do you need specific properties from the material?

We can usually source materials with specific properties (e.g. higher fire resistances) if required.

SOURCE MATERIAL

What materials do you have?

Please give us an idea of the material type, condition and quantity. If possible, also send us any data sheets or technical information that you have on the materials.

Does it need processing?

Usually, we would need the material to be cleaned and shredded before we can use it. However, we may be able to do this for you for an nominal charge.

What is the end-use?

An idea of the final application of the material can help us advise on how we work with it.

Are you looking to add colours or patterns?

We can usually add pigment or patterns to the material provided or leave it to speak for itself.

What scale would this be?

We can help with a one-off project or look at setting up an ongoing partnership.

↓ Custom material test tile



MATERIALS REIMAGINED



Certificate Number 19268
ISO 9001, ISO 14001