

FLINTS

The one-stop-shop that delivers to your door



THE SUSTAINABILITY EDIT

THEATRE GREEN BOOK

The Theatre Green Book began as a collective initiative by theatre-makers in the UK to support the sustainability of theatre in response to the climate crisis. Now it has grown to a global scale, and is intended for all theatre makers working at scale. It is a free resource produced by a range of people from across the theatre production world with support from sustainability experts Buro Happold, and is intended to be for all theatre makers working at all scales, though we think many of the principles, guides and resources would prove useful to other industries including temporary Exhibitions, Events, Film & TV.

THE 3 VOLUMES

1. *Sustainable Productions*
2. *Sustainable Buildings*
3. *Sustainable Operations*

Visit www.theatregreenbook.com via this QR code to access Volume 1.

FLINTS' RESPONSE

Much like the makers driving the development of the Theatre Green Book, we feel we have a duty to support the necessary changes in response to the climate crisis. One of the key concerns we have at Flints is to ensure whatever we are doing is not simply 'greenwashing', and we also believe that creating art is of huge value to society, so we want to give the toolkit for makers to achieve designers' visions in full, without compromising their designs. We are doing our absolute best to improve our product offering, and business practices to ensure we are giving you the best options for all your production needs. This includes researching and sourcing more sustainable and eco-friendly products and services. In this booklet, you can see a selection of products we feel really meet this criteria!

CASE STUDY: NOTTINGHAM PLAYHOUSE - THE CHILDREN

In April 2024, Jack, our Product Manager attended Nottingham Playhouse's Sustainable Productions Summit. At the centre of the day was the Nottingham Playhouse production of *The Children* [Directed by Kirsty Patrick Ward, Designed by Amy Jane Cook] which was made to a Theatre Green Book Standard; the first for the theatre. In the production, we were particularly excited to see the use of eco materials like Dekozell, Earthborn Crackle Glaze, and Flints Scenic Grafclean paints being used in new ways. We also loved the use of these materials to replace the traditional technique of acrylic coated carved polystyrene forms, instead using a grafclean painted dekozell coated alushape formed over a scaff structure to make the cliff in Amy Jane Cook's exciting design. The material selection also allowed them to peel off the dekozell at the end of the production and reuse the AluShape. Huge congratulations to all the teams involved in the production. A really impressive set, beautifully executed. See pages 4, 6, & 7 for more details on Grafclean, Alushape, and Dekozell.



'CRAFTING A SUSTAINABLE STAGE'

EXPLORING INNOVATIVE MATERIALS IN SCENIC ART & PROP MAKING



At Flints, we are passionate about bringing the right products to the industry, and we take our product testing very seriously –that’s why we employ a product development manager—Jack Mainwaring! Jack’s work at Flints has focused heavily on sustainability, developing genuinely eco-friendly alternatives that don’t compromise on performance.

Jack gave a talk at the Set & Scene Show in April 2026, alongside Gavin Gibson, Head of Scenic Art at the National Theatre, and Michael Garrett, Head of PropMaking at the National Theatre. They discussed the sustainable products Flints has introduced in recent years, and how we collaborate with partners in the industry such as the NT to develop them. They covered the successes and limitations of working with these new materials, and how practices will have to change in order to meet the challenge of working in a more sustainable way. Follow the QR code to be taken to a recording of the talk!



Discover how these river groynes were brought to life using lightweight compostable materials for the National Theatre’s production of TIDE designed by Bunnie Christie

PLASTIC FREE SCENIC PAINT

FLINTS SCENIC GRAFCLEAN

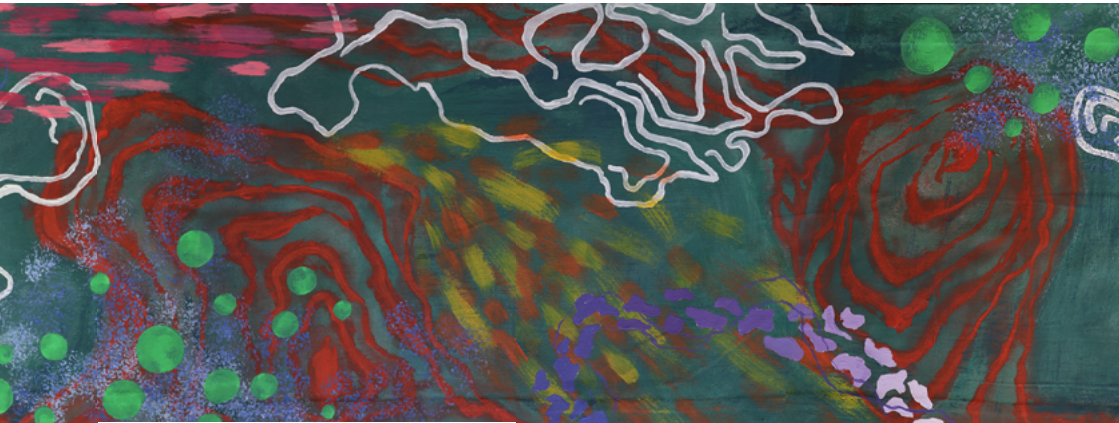
A collaboration between Flints and Graphenstone to provide scenic artists with the base colours needed for fine scenic effects with the environmental advantages of GrafClean paint – see the case study on page 2!

Coverage: 6-8 m²/L

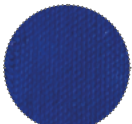
- ✓ Durable
 - ✓ Flexible
 - ✓ Matt finish
 - ✓ Trace VOC <0.1%/kg
 - ✓ No added micro-plastics
- Good for you, good for the planet.



Available exclusively from Flints



Our beautiful "Canvas for Climate Change". We commissioned this piece to be designed and painted by students from the Central School of Speech and Drama: Tayla Hanrahan, Dawson, Linsey McLachlan, and Meghan Elliot for our stand at the ABTT theatreshow using Flints Scenic GrafClean



DEEP BLUE



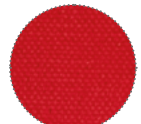
EMERALD GREEN



PURPLE



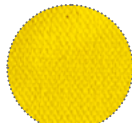
MAGENTA



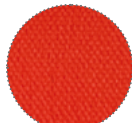
RED



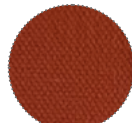
YELLOW OCHRE



CHROME YELLOW



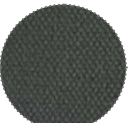
ORANGE



BURNT SIENNA



RAW SIENNA



RAW UMBER



BURNT UMBER



WHITE



BLACK



BASE

PLASTIC FREE PROPMAKING MATERIALS & TEXTURES

COMPOSTA BLOCK - POLYSTYRENE ALTERNATIVE

Biodegradable, recyclable, compostable polystyrene alternative!

Composta Block™ is made from expanded PLA [Poly-Lactic Acid], a renewable polymer derived from the biomass from plants, such as Corn & Sugarcane.

The easiest switch - just carve using the same tools you normally use!

The density of this material is halfway between standard EPS [Polystyrene] & Modelfoam.

This river groyne was created out of Composta Block cladding a timber frame by the incredible scenic team from the National Theatre headed up by Gavin Gibson. Hear all about it at the panel discussion today. See page 3 for more information.



This allows for greater detail when carving. It can be cut successfully with a hot wire, but because of the higher density smooth cuts can only be achieved at a higher temperature which produces more smoke than would be seen in EPS. The smoke produced has a sweet, burnt sugar, smell, and we advise working in a well-ventilated area and wearing appropriate PPE. Carving at lower temperatures reduces avoids the smoke point, but takes a lot longer, so we would recommend carving primarily with knives, wire brushes, surforms / cheese graters, or kebab knives, as good details can still be achieved.

In its molten form, the Composta Block™ is very sticky and sets to a hard brittle plastic so cut edges can be a little sharp.

Fully compostable, the Composta Block™ naturally biodegrades in the presence of bacteria & living organisms, especially when subjected to the right composting environment. At ambient temperatures it can be used in practically every scenario that you could use EPS, without affecting the performance.

Composta Block™ can be coated and glued similarly to EPS, with added solvent resistance thus offering more coating options including the option to use polyester resins directly on to the surface of the Composta Block™ without skimming it first.

- ✓ Fully Biodegradable & Compostable
- ✓ Recyclable
- ✓ From a Renewable Source
- ✓ Carbon Neutral



Tapio Paper is an elevated form of Papier Mache which was developed by Tapio Säkkinen, Head of Set Workshop & Environmental Head at Finnish National Opera and Ballet. It was devised as a biodegradable, renewable alternative to fibreglass and plastic based coatings. Fundamentally it's raw paper pulp board that would otherwise go on to be processed into other paper products, but in its raw state it's fibrous nature makes it perfect for heavy duty Papier Mache. It can be used to coat polystyrene [or Composta Block™] or chicken wire frames, one layer will give a tough impact resistant surface. With the use of a barrier coat or release wax you can even cast the paper into moulds.

NB you may wish to add a flame retardant during the making process. Most all-purpose flame retardants would work but Bio Retard is designed for cellulose-based materials.

Drying times vary and depend entirely on ambient temperatures but a layer should dry if left overnight somewhere warm. In a cold warehouse it could take many days!

Scan the QR code to view Tapio paper on our website, and see the video on YouTube of Tapio creating and standing on a thin walled bowl made from the eponymous paper!

Upeaa!

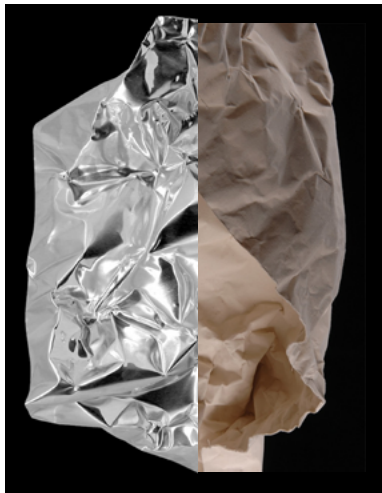


SCAN TO VIEW ONLINE



Tapio standing on a thin walled bowl made from Tapio paper cast into a plastic bowl mold!

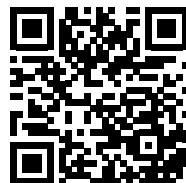
ALUSHAPE - MOULDING FABRIC



Alushape is a versatile, innovative, aluminium-based moulding fabric designed for fast, hands-on creation of three-dimensional scenic sculptures. Ideal for crafting natural backdrops, dramatic stage scenery, and stand out props. See our case study on page 2 for an example of the product in use!

Available in 3 types:

- 1 - **Alushape BRUT BARE** - Flexible bare aluminium that moulds easily and reflects ambient light for standout effects - available as a 10 m roll
- 2 - **Alushape Cretonne** - Heat resistant, reusable fabric for fast scenic builds. Shapes easily, paintable and self-supporting - available per m
- 3 - **Alushape DIY** - Adhesive pre-applied on one side for easy surface application or lamination - available per m



SCAN TO VIEW ONLINE

CORK GRANULES



The Eco option for textures; Cork Granules are both natural and sustainable as they are made from waste material from the production of wine cork stoppers. Cork trees are harvested for the first time at 25 years old by prying off the bark with specially designed axes, leaving the core of the tree unharmed. The tree is then left to regrow and the cork bark is subsequently harvested every 9 years.

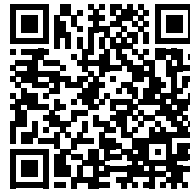


Use Flints Texture Binder or Flints Wood Glue to bind, and add colour with water based pigments/paints or dry scenic pigment (mixed into thick paste before adding) to create all manner of scenic effects. It can also be used on it's own to dress a set. Available in 3 grades - fine, medium and chunky.



Ideal alternative for Rubber Chips or Foam Crumb, but not that mixing with an acrylic binder, does reduce the compostability of the final piece.

Please note: This is untreated raw cork so is naturally combustible but can be treated with flame retardants.



SCAN TO VIEW ONLINE



This very effective tarmac effect was made from Cork Granules mixed with Flints Texture Binder, tinted with Flints Black Theatre Paint

DEKOZELL CREATIVE



This brickwork was created by taping out a pattern, then applying a tinted mix of Dekozell Creative by trowel before overpainting.

Dekozell Creative comes highly recommended from customers across Theatre as well as Film & TV as a sustainable texture coating. Used to create textures of all kinds, brickwork, rust, bark, moss or even fine weathering on paintwork

Made of 100% cellulose fibres, modified to be ultra lightweight and a fine grade; a by-product of wood fibre production using wood from sustainable sources.

To use simply mix with water, and colour using pigments/paint! Quantities can vary but a 1.9kg bag can be mixed with up to 16L of water. Adding PVA will improve binding and fix the finish.

Can be brushed, rolled, sprayed with hopper gun or applied using a trowel.

Really great lightweight texture.

See the case study on page 2!



SCAN TO VIEW ONLINE

ECO ADHESIVES

COLLAL NATURE GLUE



Collal Nature Glue is a starch-based glue made from potato dextrin dissolved in water. Ready to use straight out the bottle, this glue is more sticky than powder glue.

Use in tandem with bio glitter to create a glittering surface without the use of any plastics! A really big step forward for environmentally minded practice.

COLLAL GLUE POWDER



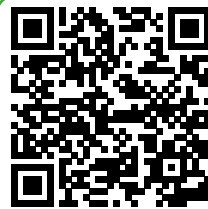
Collal Glue Powder is a starch-based glue for light applications and bonding lightweight materials. Made from carboxymethylcellulose, which is derived from plants and often used as

a food additive, or in cosmetics. To use, mix 1 part powder with 4 parts water. Less grab than the pre-mixed nature glue shown above.

AMPRO BIO RESIN HARDENER



Bio based epoxy resin to use for bonding materials, laminating as a heavy duty top coat, or filling when mixed with micro balloons or glass bubbles. It is high-quality, sustainable, marine-grade resin, 40-60% of which is bio based, making it one of the highest percentage bio-based resins on the market.



SCAN TO VIEW ONLINE

ACRYLIC FREE GLAZES

EARTHBORN WALL GLAZE



For a long time the world of glazes has been devoid of a sustainable, ecologically friendly option and this **Earthborn Wall Glaze** ticks many of those boxes. It's a Water based, Acrylic Free, Matt Glaze that is Ultra low VOC

at 0.5g/l. Made from Water, Cellulose, Vinegar Ester, Clay & just 0.1% Preservative. It can be diluted with water up to 1 part glaze to 3 parts water for most uses demonstrating good value. Although described as a "wall glaze" we've found it quite flexible and can be used as a binder with concentrated liquid, or dry scenic pigments, even on cloth!

EARTHBORN CRACKLE GLAZE



Biodegradable Crackle Glaze that's Water Based, Oil Free & Acrylic Free. Apply the glaze between contrasting colours for dramatic crackle effect. Unlike acrylic glazes, you wait until it's completely dry before applying the top coat. The crack is controlled by the how thick you lay on the glaze! .



SCAN TO VIEW GLAZES

SUSTAINABLE DECORATORS SUNDRIES

FLEX-E-LINERS - SILICONE LINERS FOR KETTLES AND SCUTTLES



By nature, these fantastic silicone liners are non-stick so you can leave any unused paint in the bucket to dry, before peeling off and disposing of it properly instead of washing it down the sink. Can be reused multiple times over. Scoop out the bulk of the paint, remove the liner, let the paint residue dry, and peel off into a bin. No more water wastage or pollution!

The kits are your ultimate best friend in sustainable painting, with every different liner option we sell for both scuttles and buckets.

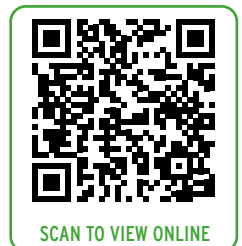
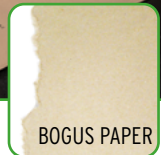
FLOOR PROTECTION

We now stock a wide selection paper based alternatives to polythene sheeting/correx. All reusable and recyclable (...in theory... depends on what paints/glazes/nastiness that ends up on it). We also stock paper tapes.

For light masking/short term floor protection: **Bogus Paper** - a recycled versatile, multipurpose, economical grey paper that provides great absorbency. It has a slightly rough but soft finish. Since it absorbs so much moisture it is a fantastic product for covering paint floors prior to laying out cloths. Available by the metre or the roll [184 m]

For medium duty floor protection: **Trimaco X Board** - Lightweight Moisture Resistant Temporary Floor Protector made of 100% recycled fibres that comes in a roll but lays flat. Breathable, so it can be laid on recently dry painted/glazed flooring and still allow for the full cure to progress. Available by the roll [15 or 30 m]

And for heavy duty applications: **Ram Board** - Ideal for protecting floors while loading in & out, you can even drive a forklift over it. Breathable, so it can be laid on recently dry painted/glazed flooring and still allow for the full cure to progress. Scored along three spaced lines to facilitate the easy folding against walls/corners. Available by the roll [30.48m]



SUSTAINABLE CONSUMABLES

PAPERTAK

PaperTak is a paper based alternative to PVC tape, made using 70% recycled materials with a pressure sensitive natural rubber adhesive.

Great for every application where you might use PVC tape except as electrical insulation tape (it's paper!), colour coding, cable management or as spike tape.

Core of the tape & packaging are also widely recycled making this tape a more sustainable choice.



SCAN TO VIEW ONLINE

ZERO PLASTIC SELLOTAPE



Plastic Free Sellotape! This plant based cellulose tape has a pressure sensitive natural rubber adhesive as well as a recycled & recyclable core and packaging to boot.

If only there was a gaffer tape that ticked all these boxes! (We're working on it!) The tape is clear, with matt finish so you can easily write on it. Also tears well so no need to cut with scissors - unlike the fully plastic alternatives...

PAPER PARCEL TAPE



Recycling cardboard boxes covered in PVC parcel tape is problematical and some local authorities will not accept them... This plain brown **paper packaging tape** has a natural rubber adhesive and is 100% biodegradable & recyclable.

What's not to love? Such an easy swap!

CHALK PENS



Temporary Chalk Markers - what a great idea for marking out! The Royal Conservatoire of Scotland came up with this idea, and we think it's genius.

Often used for temporary decoration work on window displays, these bright and colourful pens pop against the black of most stages, and can easily be used in place of PVC or cloth tapes, which only have a one-time-use and are often impossible to recycle.

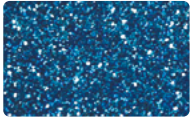
The chalk mark made is resistant to scuffing, but easily removable with warm soapy water, and it's much quicker to put down marks/ make small adjustments. Great idea!



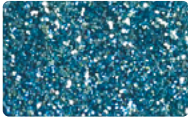
STOCK COMING SOON!

GLITTER

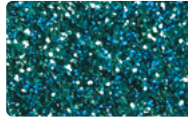
BIOGLITTER



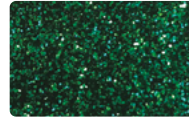
AEGAN BLUE



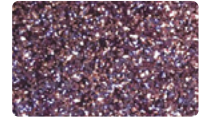
SKY BLUE



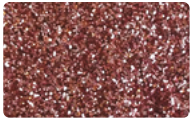
TURQUOISE



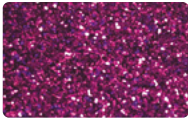
EMERALD GREEN



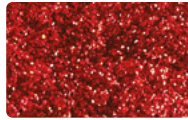
LILAC



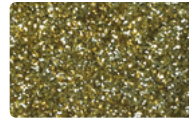
PINK



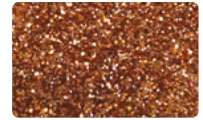
FUSHCIA



FIRE RED



LIGHT GOLD



PENNY COPPER



Bioglitter 015 jewels
scaled next to a £1 coin

Bioglitter 040 jewels
scaled next to a £1 coin



In our opinion, and we sell a lot of glitter, **Deco Bio Glitter Sparkle** is the best BioGlitter around. Made from plant based cellulose, aluminium & pigment. Available in two sizes of 'jewels': 015, a very fine cut glitter and 040, a 'jewel' of similar size to our smaller 'jewels' from the Flints PVC Glitter collection.

It achieves a technical grade, perfect for printing, coating and other surface effects. In our tests we found it to cover roughly three times the surface area of traditional glitter weight for weight, as the 'jewels' are thinner and lighter. Supplied in 1 kg boxes to further reduce environmental impact - reusable empty shaker pots are available to order separately. We appreciate that this may seem expensive compared to other glitter we stock, but once you look at the extended coverage, and improved environmental impact, we're sure you'll agree they're worth it.



IN DEVELOPMENT

GURIT KERDYN GREEN FR

Made from 100% recycled PET plastic (often 7UP bottles!) and is itself recyclable this exciting Thermoplastic is very promising.

It's a dense, rigid board which can be CNC'd, or carved with a tool like a dremel, and the thermoplastic qualities also allow it to be shaped with heat. Really excellent rigidity.

Designed as a core material used in composites in many industries including boat building &

insulation in homes, we can see this being really useful to propmakers and costumers to make strong structures that need to be self-supporting. Unlike other 'eco' thermoplastics available Gurit's Kerdyn Green FR won't sag under stage lights / in the warmth of an auditorium. We plan to have this in stock soon, and will be selling it in Model Foam size boards - approximately 600 x 300 mm - but with larger sheets available to order.



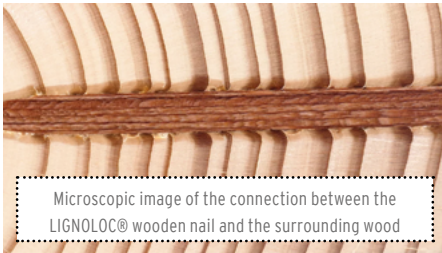
Jack carved and heat formed this wing from this new material

LIGNOLOC - WOODEN NAILS



These Wooden Nails from Lignoloc are another great idea - this time allowing for the easier recycling and repurposing of scenery. Metal fixings can damage timber and hidden fixings (eg screw/nail holes that have been filled) can damage blades and tools when dissembling the structure.

How it works: the nail is fired into the wood, the heat generated from the friction between the nail and substrate activates the lignin in the timber, which creates a "wood weld", ie a very strong bond.



Microscopic image of the connection between the LIGNOLOC® wooden nail and the surrounding wood

Reset Scenery in Glasgow are currently trialling it, and working out which types of nails would, in their opinion, work best for the industry. We hope our work together means we'll have something available soon! The only downside is you do need to use a specialist gun to fire the nails with sufficient force to build enough friction to get the bond to form.



CONTACT JACK

INTERESTED IN TESTING PRODUCTS FOR US?

OR HAVE AN IDEA WE NEED TO HEAR ABOUT?

CONTACT JACK TODAY!



SUGGEST A PRODUCT