

SMILE PLASTICS LTD

Recycled plastic sheets

Smile Plastics is committed to sourcing and developing innovative ideas and markets for sheets made from recycled plastics waste.

In 1994 a range of sheets made from old **plastics bottles** was launched. The bottles are collected, sorted, flaked and thoroughly washed to remove any remaining contaminants. Looking like multi-coloured corn-flakes the pieces are then compressed into sheets which retain all the riotous colours of the original bottles.

The hard and rigid sheet materials in the second range are made from used vending machine **coffee cups** and **yoghurt pots** and **refrigerator linings**.

Smile Plastics has another range, **Jazz**, based on a tough, underground pipe material. Blue from water pipes and yellow from gas mains are the two we can currently use, with others in development, very good for outdoor use.

In 2002 and 2003 we launched new products, made from crushed **CDs & plastic water bottles**, **banknotes**, and **Dapple**, and since then we have launched some of our funkiest sheets yet, made from old **Mobile Phones** and **Kids Wellies**, although the Mobiles sheet is being withdrawn as we cannot get the old covers any more.

Smile Plastics sheets have been used extensively all over the world as furniture, shop fittings, work surfaces, bath panels, and screens, etc., in domestic, commercial and office environments.

Please visit our website at www.smile-plastics.co.uk for images and further details and examples of how **Smile** sheets have been used.

N.B. We try very hard to make our sheets as blemish free as we can, but sometimes they are not perfect, they may have dimples and minor marks which are outside our control. Please call us to discuss this if it could be a problem.

“The recycled plastic boards combine a strong environmental message with an evocative and distinct aesthetic appeal, linked to the processing of plastics waste”

Original Plastic Bottle Range

The bottles we use are from various UK municipal authority collection schemes. The exact mix will also vary according to the area from which the bottles are collected, fashion in bottle colours, and the season of the year. The manufacturing process produces a characteristic flow pattern resulting in a central 'spotted' spine which extends and streaks outwards towards the edges and corners. Unfortunately, sorted bottles are no longer available in the UK so we offer just one colourway. The sheets are planed.

Charcoal

A hard, rigid sheet made from vending machine coffee cups from the Save-A-Cup scheme. We produce a dark charcoal and beige mottled sheet which can be polished to a deep granite-like lustre. As it is so dark, it may scuff in transit and installation, so we recommend a light sanding using a random orbital sander. We can also make it without the beige.

Yoghurt

Another hard, rigid sheet made from the linings from old refrigerators, to give a terrazzo or stone effect. We recommend that this is lightly sanded after installation. It also can yellow slightly when exposed to prolonged direct sunlight.

Jazz

So many services are now piped underground that the industries have agreed on a colour coding system for plastic pipes. We can obtain the offcuts from these pipes and mix them to produce our bright, mottled Jazz. Blue comes from the water industry, yellow from gas pipes. This means that Jazz is good for outdoor applications. The surface is planed.

CD

A rigid, sparkly sheet made from crushed CDs suspended in a transparent blue plastic. The blue was originally those large plastic bottles that dispense cold drinking water in offices and the crushed CDs include illicit ones seized and destroyed by Trading Standards Officers. Made from polycarbonate, the sheets are tough and rigid yet warm to the touch. CD sheet is supplied untrimmed and slightly oversize. The surface may be dimpled rather than completely flat.

BEN

Old and withdrawn Bank of England notes are normally burned but we have agreed to take them (after they have been shredded !) and to mix them with clear waste polycarbonate plastic. This produces an intriguing effect where you can find printed, 'I promise' or '£50' or even the Queen's head, encapsulated for posterity in clear plastic. BEN sheet is supplied untrimmed and slightly oversize, and the surface may be slightly dimpled.

Dapple

A subtle, semi-translucent sheet looking like charcoal veined Piastraccia marble. It is made from offcuts from gas and water pipes, production scrap from our own factory, and old foodstuffs containers. The veins can be black, red or blue, other colours to special order. The main colour can be simple white or any mixture of white, blue, and yellow. The surface is planed.

Mobiles

15 million UK mobiles get discarded each year, and most go to landfill, but at Smile we convert them into our funkiest sheet ever. They look fantastic just hung on a wall as a work of art. **STOP PRESS we have had to withdraw Mobiles as we can no longer get the cases.**

Wellies

We take kids' old wellie boots, shred them into lumps and press them into 3mm thick soft, rubbery sheets than can be used as table covers, bathmats, bar fronts, screens, etc. They are amazingly colourful. They may also be used as floor mats, but not continuous flooring as the sheets do vary slightly in thickness, and may shrink after being laid. The wellies can be whole or shredded and are supplied untrimmed.

SnowFlake

Milky white sheets with added white bottle bits to give a cool, snowstorm effect, now only 10% recycled content I'm afraid, but it's better than 0% !

Specials

We can encapsulate various wastes into soft and squishy clear plastic waste material as a **service for designers, not a sheet that we make as standard.** We can also sometimes meet special colour requests for large orders. We don't include these in the samples pack.

Other Information

- For a Smile Plastics sheet price list please email info@vit Rathene.co.uk
- For eco reasons this is the only literature we produce, please visit our website for full details and lots of images.
- **N.B. We try very hard to make our sheets as blemish free as we can, but they are not perfect, they may have dimples and minor marks which are outside our control. Please call us to discuss this if it could be a problem.**
- No trade discounts, but for volume discounts, please call.
- Standard sheet size is 2000x1000mm (except CD, BEN, Mobiles and wellies), but we can make **some** sheets at 3x1.5 m, pro rata, but transport costs are high.
- The listed board thicknesses are nominal.
- Where minimisation of colour variation is critical, please call us.
- Thermal expansion of some sheets can be 2mm per m over a 10°C change.
- Information on working methods, utilisation and fire performance data are available, please call or fax, or visit the website.
- SMILE PLASTICS LTD conditions of sale apply to all sales.
- Samples. Please forward £15.00 (cheque to Smile Plastics, or 'phone credit card details) for a set of colour samples, refundable with order. If a computerised invoice is required the charge will be £30.00 + VAT. The appearance of the samples will vary according to their original position within the sheet.

SMILE PLASTICS LTD

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