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**NOVAVLIA
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WE BELIEVE IN MATERIAL REINCARNATION

about NOVAVITA

NOVAVITA MEANS NEW LIFE

We are young, award-winning material & object laboratory, focusing on and developing waste and recycled materials and turning them into new playful objects and textures. It used to be that all designers were taught that form should follow the function. We like the idea of the reversed design process and believe that a more sustainable approach to design is about the form and function following the material. And therefore, in Novavita, it always starts with the waste. The ingredience first comes to us, and only then, based on it's character and properties we re-invent what we could make out of it. Our mission is simple: to create playful objects and textures, while cleaning the planet. We believe there is no such thing as used-up material. We believe in material reincarnation.

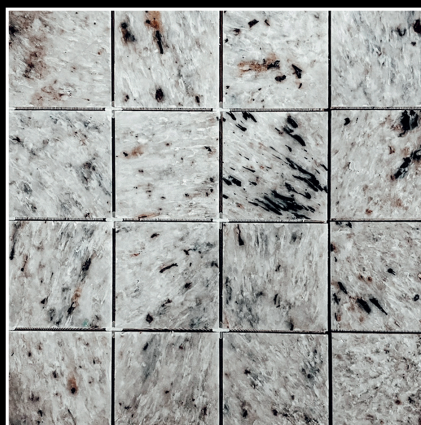
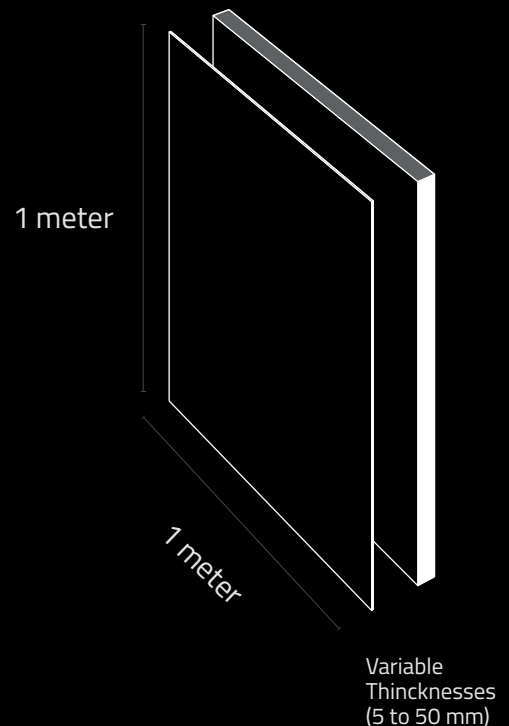
Our portfolio includes several different materials, all interlinked by the idea of using waste as one of the key ingredients. Everything we produce is tailor-made for the final user, and therefore fully customisable.

100% RECYCLED PLASTIC SHEETS

One of our favourite materials are the 100% recycled plastic sheets. They are hard-wearing, resistant to mold and 100% waterproof. They have medium resistance to scratching (can be prevented by a special coating) and medium resistance to UV radiation. In addition, they are easy to clean and maintain. The final surface can be glossy, sanded or textured. The panels can be cut, drilled, and fixed using glue or screws. Please ensure you read our handling instructions below before using them to ensure they are suitable for your application. Should you have any specific question, please contact us at ciao@novavita.design.

PANEL SIZES

The sheets come in 1 x 1 meter size, however, for additional fee we can cut them for you into any size or shape. If a larger sheet is required, the individual sheets can be joined relatively easily. Most carpentry joints will work. We recommend tongue & groove joint, gluing or screwing them. The standard thicknesses we provide are: 5 mm, 10 mm, 20 mm. For thicknesses different to the above please reach out to us directly at ciao@novavita.design.



TECH SPECS

NOVAVITA MEANS NEW LIFE

For our recycled plastic sheets we use two types of plastic: PP and HDPE. (Depending on the required texture.) Both are lightweight, odorless, waterresistant, pollution-free, and with high chemical resistance.

USAGE

Our recycled plastic sheets are very versatile and can be used in many different ways. (wall and floor coverings, boards, display counters, cabinets, signs, furniture, worktops, tabletops, shelves, doors, screens, ...) In case you are not sure whether they are suitable for your planned use, please contact us at ciao@novavita.design and we will be happy to answer any questions you may have.

If you plan to use our panels as shelves or table tops, please make sure that they are sufficiently secured. We are happy to recommend a support system that is ideal for your use.

STORAGE

To avoid deformation, we recommend storing our recycled plastic sheets in a fully supported and leveled position.

MAINTENANCE

Novavita recycled plastic sheets require minimal maintenance. Surface impurities can be easily removed with mild detergents (compatible with plastics) and warm water. Please keep in mind that rough handling can lead to scratches, so if possible handle the panels with care and only process them in a clean environment.

HEAT

The sheets are resistant to hot water, however we recommend not exposing them to a prolonged excessive heat, as this could lead to softening of the material and subsequent melting. (The physical properties may decrease between 95 and 200 degrees C.) If you plan to use the panels anywhere, where there will be regular contact with high heat we recommend that the material be specially coated with a protective layer.

UV & SUNLIGHT

Prolonged solar radiation can cause fading of the colors over time. The material itself may also begin to lose some physical properties. To achieve greater resistance to damage from UV radiation, we recommend the use of a hard oil with UV resistance (e.g. OSMO UV Protection Oil).

CONNECTING & FIXING, WELDING, BONDING & SEALING

In general, our panels share many common characteristics with composite wood panels (such as MDF) and can be processed using most of the same tools. For connecting and fixing we recommend primarily fixing with screws and clips, or using gluing.

The sheets can be also welded on the edges using special hot air guns designed for welding plastic.

For bonding, we recommend using structural polyurethane adhesives that are suitable for gluing polypropylene (PP) and polyethylene (PE). (e.g.: Permabonds adhesives suitable for different types of plastic.) A two-component epoxy should also work. For gluing the edge, we recommend using a solvent such as Tensol. For any gluing of seams, we recommend using masking tape to avoid damaging the surface of the boards.

Our plastic panels can be sealed with silicone sealants.

DRILLING

Holes up to a diameter of 25 mm can be made with standard tools. Please remember that the frictional heat can cause the plastic to melt. To avoid the melting of plastic due to the accumulation of heat we recommend that you try to use the fastest possible machine speed. Also please always make sure that the drills are sharp. If possible, use special drills designed for plastics. When drilling, fasten the material firmly. We do not recommend screwing directly into our plastic plates without first creating a guide hole.

CUTTING

Our sheets can be cut using most saws, but saws with fine teeth are recommended. In order to minimize frictional heat, we recommend using saws with skipping teeth or wavy saws. Please always ensure that the cutting chips are removed as quickly as possible. Circular saws and table saws are effective at cutting clean straight lines and provide the cleanest cut. Reciprocating circular saws can generate heat, so ensure chip removal and blade cooling during use. When cutting, we recommend securing the material and preventing vibrational movement. Please make sure that the clamps you use have soft parts to avoid scratching the sheets. The sheets can also be cut with a water jet, a woodworking milling machine or a CNC machine. For CNC cutting we recommend using a sharp single flute top cutter ideally with a polished surface suitable for plastics.

We offer the cutting service as an additional service, if you are interested, contact us at ciao@novavita.design.

SANDING & POLISHING

Scratches and traces created during use can be carefully sanded off with moderate pressure and fine sandpaper. For grinding, we recommend double-acting eccentric grinders, using medium pressure and fine grains. We do not recommend belt sanders, as they can melt the surface. When sanding, make sure you don't stay in one place for too long, so that the surface doesn't burn and then melt. For polishing, use a polishing disc with polishing agent for plastics.

FORMATION

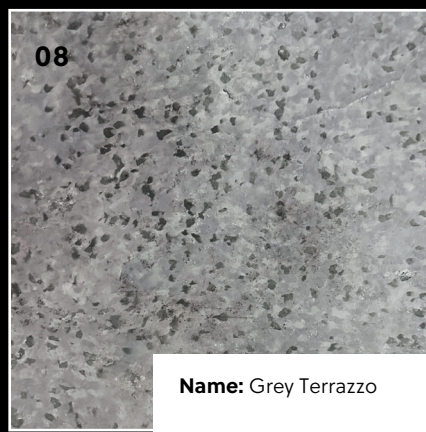
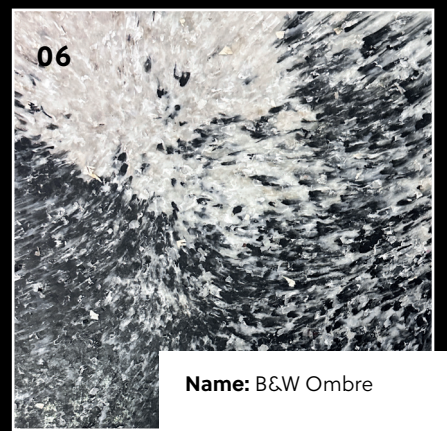
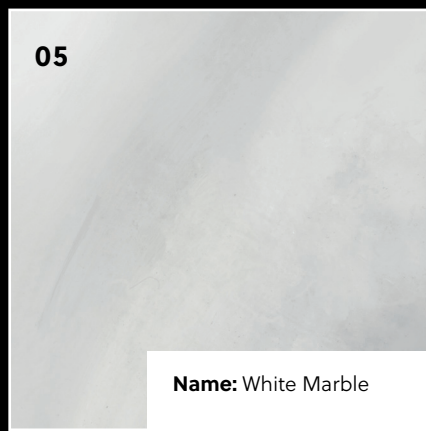
Our panels can be heated and then shaped into molds. Thin material up to 6 mm can be vacuum formed using conventional techniques. Most of our boards are soft and easy to bend at 110°C. Since plastics release toxic fumes when burned and heated, please mold only under the supervision of a person who has professional knowledge in this area and only in well-ventilated areas designated for this purpose.

EDGES

Beveled and straight edges can be made with a table saw or circular saw. A curved edge or rounding edge can also be achieved with the help of a router.

textures & pricing

100% RECYCLED PLASTIC SHEETS

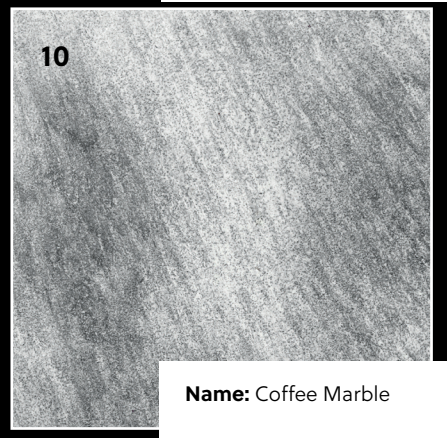


SHEET SIZES & THICKNESSES

The sheets come in 1x1 meter size, however for additional fee we can cut them for you into any size or shape. If a larger sheet is required, the individual sheets can be joined relatively easily. Most carpentry joints will work. We recommend tongue & groove joint, gluing or screwing them. The standard thicknesses we provide are: 5 mm, 10 mm, 20 mm. For different thicknesses please reach out to us directly at ciao@novavita.design.

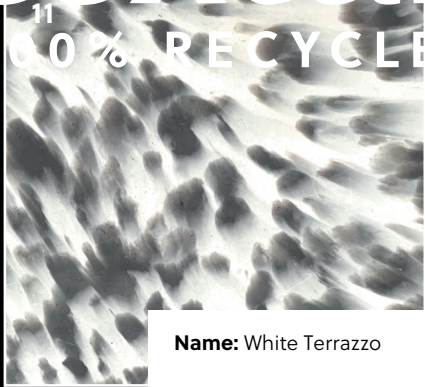
Please note that as every sheet is hand-made, subtle discrepancies and deviations may appear between individual panels.

NOTE: Prices above are per square metre (5 mm thick)
(Prices differ for different thicknesses.)



textures & pricing

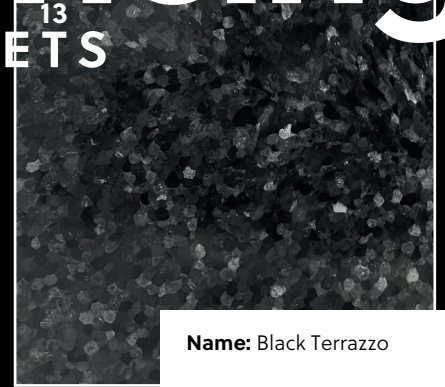
100% RECYCLED PLASTIC SHEETS



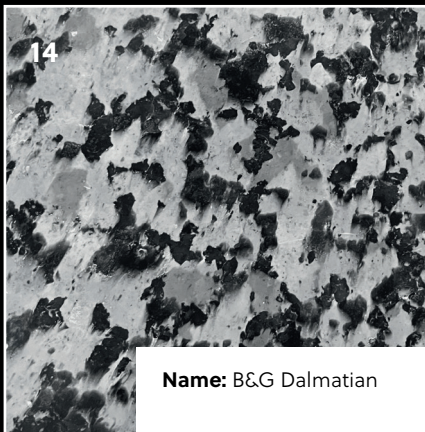
Name: White Terrazzo



Name: B&W Terrazzo



Name: Black Terrazzo



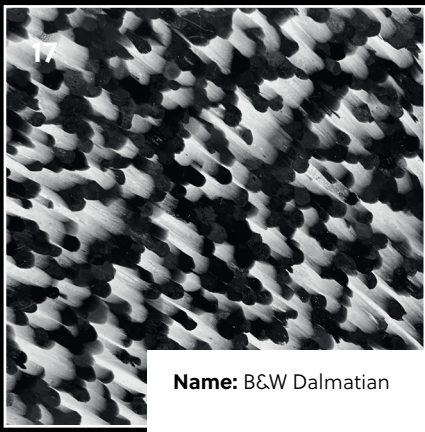
Name: B&G Dalmatian



Name: B&G Terrazzo



Name: Grey Terrazzo



Name: B&W Dalmatian



Name: Coffee Terrazzo



Name: Full Black

SHEET FINISHES & TEXTURES

Each sheet from the NOVAVITA lab is hand-made and therefore unique.

The sources of raw materials used for our sheets vary and therefore our panels may exhibit mild differences in color and texture. Recycled surfaces may also exhibit mild imperfections in terms of textured surfaces, inclusions and voids related to manufacture. We can finish your products in different ways: we can sand it (so the product feels soft), we can also polish, or keep the surface rough and untreated as it comes out of production.

NOTE: Prices above are per square metre (5 mm thick)
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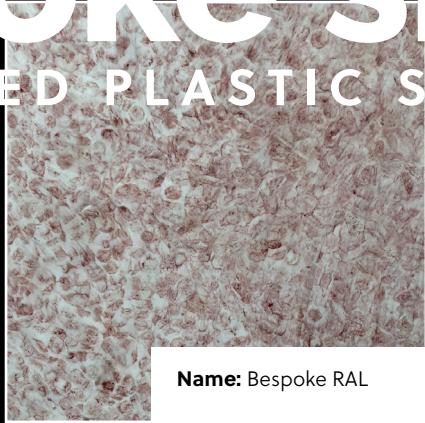
Name: RAL Terrazzo

bespoke sheets

100% RECYCLED PLASTIC SHEETS



Name: Coffee murals



Name: Bespoke RAL



Name: Beer Translucent



Name: Coffee Translucent



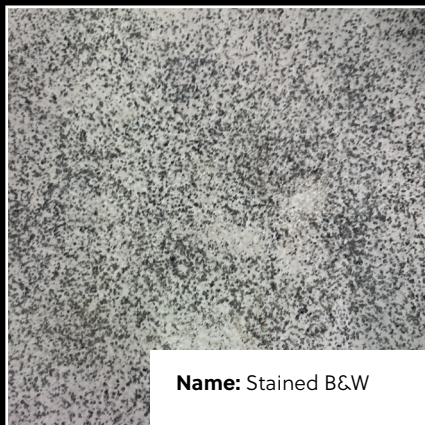
Name: Rusty metal m2



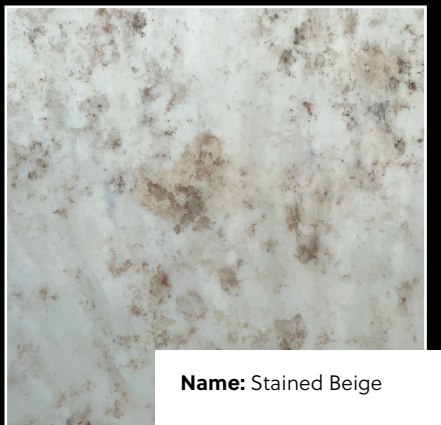
Name: Threads & Fabric



Name: B&W Translucent



Name: Stained B&W



Name: Stained Beige

ALWAYS OPEN TO NEW IDEAS

We do not believe in overproduction, and therefore most of our orders are done bespoke based on our clients needs. We love thinking outside the box. We love always developing and working with your specific waste. Our sheets can be done in almost every color combination. We can make a personalized color combination to fit your needs.

Prices are only informative - if you have a specific idea or project in mind, please reach out to us directly.

NOTE: Prices above are per square metre (5 mm thick)
(Prices differ for different thicknesses.)



Name: Rusty Bronze

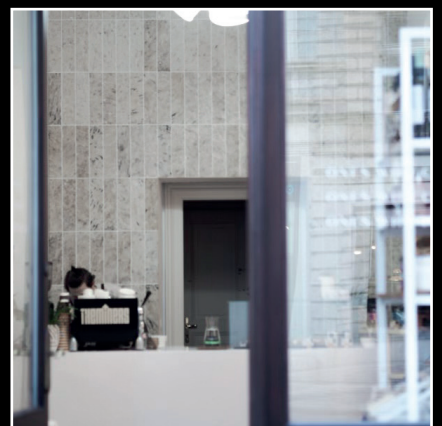
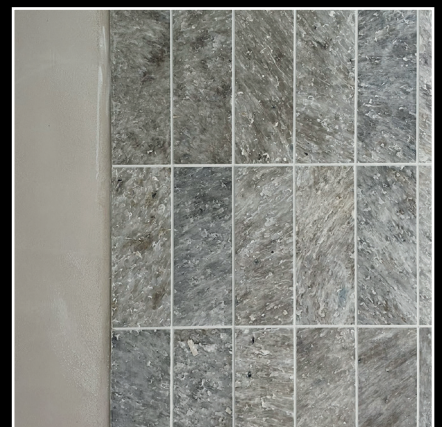
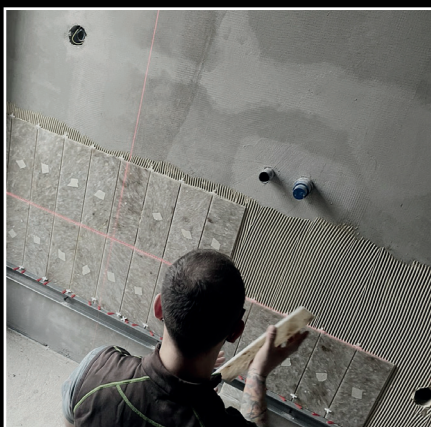
LIFECYCLE

Not only are our sheets 100% recycled but are also recyclable at the end of their lifecycle. If you decide that you no longer need our sheets, we will gladly buy them from you and then rework them into new sheets, thereby closing the loop of their entire life cycle.

DELIVERY & DELIVERY TIME

We are able to provide transport throughout Europe. The goods are delivered either in cardboard boxes or in crates. (Depending on the size of the boards ordered and their quantity). Each order is consulted individually, and therefore the price may vary and is very individual. We will be happy to prepare a price offer for delivery, please contact us at ciao@novavita.design.

The delivery time depends on the size of the order, it is usually between 2-6 weeks.



Text

DISCLAIMER

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