



SUSTONABLE

The Circular Design Surface



IMAGINE...

A material that never becomes waste, that never ends in a landfill. 100% recyclable without any hazardous chemicals involved. A material produced efficiently to avoid a useless wastage of natural resources...

Welcome to the Sustainable Revolution. Welcome to Sustonable.

Sustonable brings the only truly **sustainable engineered stone** to every architectural and design project, mixing a unique combination of **natural stone and recycled PET* plastic, where PET is the sole binding agent** (AKA *Poly Ethylene Terephthalate, commonly used in beverage and food packaging due to its safety characteristics for human use*).

The recycled PET plastic employed by Sustonable is **100% post-consumer**. Post Consumers** are composed of recycled plastics used to manufacture an item (like a plastic water bottle), then discarded, picked up, cleaned, and reprocessed.

They are plastics that have completed their lifecycle but still can be reused rather than ending in a landfill. When plastics are reused and made into new products, like **Sustonable**, the production process does not require new fossil fuels as raw materials, having **countless ecological benefits**.

*Chemically, PET is a polymer obtained from a polycondensation reaction between terephthalic acid and ethylene glycol. Once the reaction process is finished, PET is a highly stable polymer. It belongs to the group of synthetic materials called polyesters, and in opposition to Unsaturated Polyester Resins, PET is free of Volatile/harmful solvents.

**Do not confuse pre-consumer waste, as pre-consumer is a discarded material before it was even ready for consumer use. It is the reintroduction of manufacturing scrap (such as never-bought newspapers, defective aluminum cans, or faulty plastic bottles) back into the manufacturing process. Pre-consumer waste is commonly used in manufacturing industries and is often not considered recycling in the traditional sense.

WELCOME TO THE SUSTAINABLE REVOLUTION


Sustainable employs Post-consumer recycled plastics

And this is **what we do at Sustonable**, for every m² of surface, we recycle 100 PET plastic bottles. **We clean up the earth by repurposing the plastic thrown away into resistant and durable surfaces.** We want to make a change. We want to eradicate the tonnes of plastic waste found in the oceans and lands of our beloved planet.



**We recycle 100 PET
plastic bottles for
every m² of surface
created**



An underwater photograph showing a sea turtle swimming towards the camera. In the foreground, a clear plastic bottle is partially visible, appearing to be in the turtle's path. The water is a deep greenish-blue, and there are some brownish seaweed-like plants in the background.

1m² = 100

Sustainable
surface

Plastic
bottles



The Circular
Design Surface

WHAT IS SUSTONABLE

*"Sustorable
does not apply
any toxic
catalysts or
accelerators in
the process"*

Sustorable is the new revolutionary sustainable, thin and ultra-lightweight surface made with a unique combination of natural stone and recycled PET plastic. This mixture is formed when both materials are raised to 250-300°C, and rPET melts. Due to the heat process, the mix results in a liquid blend distributed and constructed through a continuous press. Subsequently, the mixture is left to cool down to become a stable solid again.

Sustorable does not apply any toxic catalysts or accelerators in the process, and this is because the Sustorable production line has been designed towards **sustainability and circularity** methods. The whole industrial process is devised not to emit gas vapours or create any dust clouds.

The process is **a healthy balance of the right temperatures, clean materials, and proper techniques** to make practically minimal and safe emissions for our staff.

Sustorable is the evolution of the traditional composite stone surfaces and countertops into a more ecological, affordable, and recyclable alternative for any architectural and decor projects

Sustorable fits perfectly into any project that requires to be durable, resistant, elegant, and sustainable. It is such a versatile material that can be used for **kitchen countertops, backsplashes, worktops, wall panels, tabletops, bars, shower panels...**

#DIFFERENTBYDESIGN #SUSTAINABILITYMATTERS

HOW DO WE USE RECYCLED PET PLASTICS



THE recycled PET (rPET) plastic used for the **Sustorable** industrial process comes from recycling facilities close to our factory at Polatli, Ankara. These companies **collect plastic bottles from containers and put them into a sorting process**. During this process, metal materials and impurities (from other materials such as plastic materials like PE, PP, and PVC) are removed, leaving only soft drink containers and water bottles.

We also perform a colour selection within the plastic bottles: only blue and colourless colours are allowed to avoid any interference on the material's colour tone.

Once the proper rPET plastic has been selected, it is shredded with knife mills, ending up in **9 mm plastic pellets and free of dust**.

A series of subsequent washes discharge the residues of surfactants used in the washing process, **leaving the material spotless**. The cleaned pellets are then dried at 150°C to 180°C to avoid moisture** when being stored ******(PET is hygroscopic, absorbs water from its surroundings).

When the recycled material arrives at the **Sustorable** factory, a **double-check process** is made to assure there are no metal residues, as those could affect the slab's colour. Then, it is dehydrated again to secure the recycled plastic pellets do not contain any residual moisture.

ADVANTAGES

Sustainable surfaces are

STATE OF THE ART

Sustainable has pioneered using natural stone plus recycled PET from plastic bottles and transforming them into the market's smartest decorative surface material.

VERY HIGH IMPACT RESISTANCE

Sustainable material reduces the possibility of cracking or breaking during installation, as opposed to other traditional materials like engineered stones and ceramic materials.

STAIN RESISTANT

Sustainable material is exceptionally resistant to being stained or marked thanks to its non-porous inert materials.

WATERPROOF

Its practically zero porosity makes Sustainable a waterproof surface; hence it is a perfect material to apply when contact with water is required.

LIGHTWEIGHT

At Sustainable we produce thin slabs that use around 60% less raw materials than some traditional products (and generate 0% waste as Sustainable can be reintroduced in the production process and reused again and again).

AESTHETIC INSULATION

Sustainable panels help to reduce heat flow and increase the soundproofing insulation while merging great aesthetic features.

Sustainable surfaces are thin, lightweight, ultra-resistant, sizeable, easy to manipulate and transport

TIME-SAVING

Sustainable wall panels reduce the time of labour on site. Wall panel sections can be brought cut-to-size to the site and installed quickly. You won't need three people to transport one slab.

HYGIENIC, EASY TO MAINTAIN, AND CLEAN

Sustainable is also one of the most sanitary materials available in the surface market due to its practically zero porosity. It prevents the formation of everyday stains and makes cleaning faster and easier.

SUSTAINABLE

Sustainable creates composite stone surfaces from recycled PET plastic bottles, giving a new purpose to our waste while cleaning up the oceans and mountains of plastic. Sustainable also spends less energy than traditional materials to produce the same amount of m². Sustainable Abiotic Depletion Fossils (ADP*) is 161 Megajoules (MJ), while the average consumption for traditional materials is 537 MJ.

LOWEST CARBON FOOTPRINT

Sustainable is the surface that releases the least CO₂ into the atmosphere when compared to traditional materials for decorative surfaces. The carbon footprint of Sustainable is 62 % lower., being its Global Warming Potential 11 kg CO₂eq. It compares favorably to these similar materials, which average 31 kg CO₂eq.

*The ADP refers to the depletion of nonrenewable sources such as fossil fuels, minerals, clay... **The GWP refers to the total contribution to global warming resulting from the emission of one unit of that gas relative to one unit of the reference gas (carbon dioxide).

ECO AND 100% RECYCLABLE

Made by using respectful raw materials and lower virgin components, Sustonable is one of the most genuinely sustainable and circular surfaces in the market: it can be recycled over and over again.

CIRCULAR

Sustonable supports the Circular Economy by repurposing discarded plastic into something valuable, keeping out material waste, and providing a long life to every Sustonable surface. In the event of the end of life for Sustonable, the material will not end in a landfill as it can be reused and recycled again.

FREE OF HAZARDOUS CHEMICALS

Sustonable desires to reduce global pollution and generate a cleaner environment; that is why there are no Volatile Organic Compounds (VOC) emissions involved in our production process.

WASTE PREVENTION

Sustonable is produced efficiently and continuously to avoid waste, and thanks to its light and thin properties, sustonable reduces the debris from installation up to 80%.

VERSATILE


Sustonable is perfect for different applications: countertops, shower panels, cladding... and it is totally open to suggestions, so feel free to ask for any colour and design.

AFFORDABLE

We pursue a more sustainable world so; the more people can have access to sustainable products, the healthier our planet will be. Sustainable products cannot be a luxury; otherwise, we will be far from saving the planet.

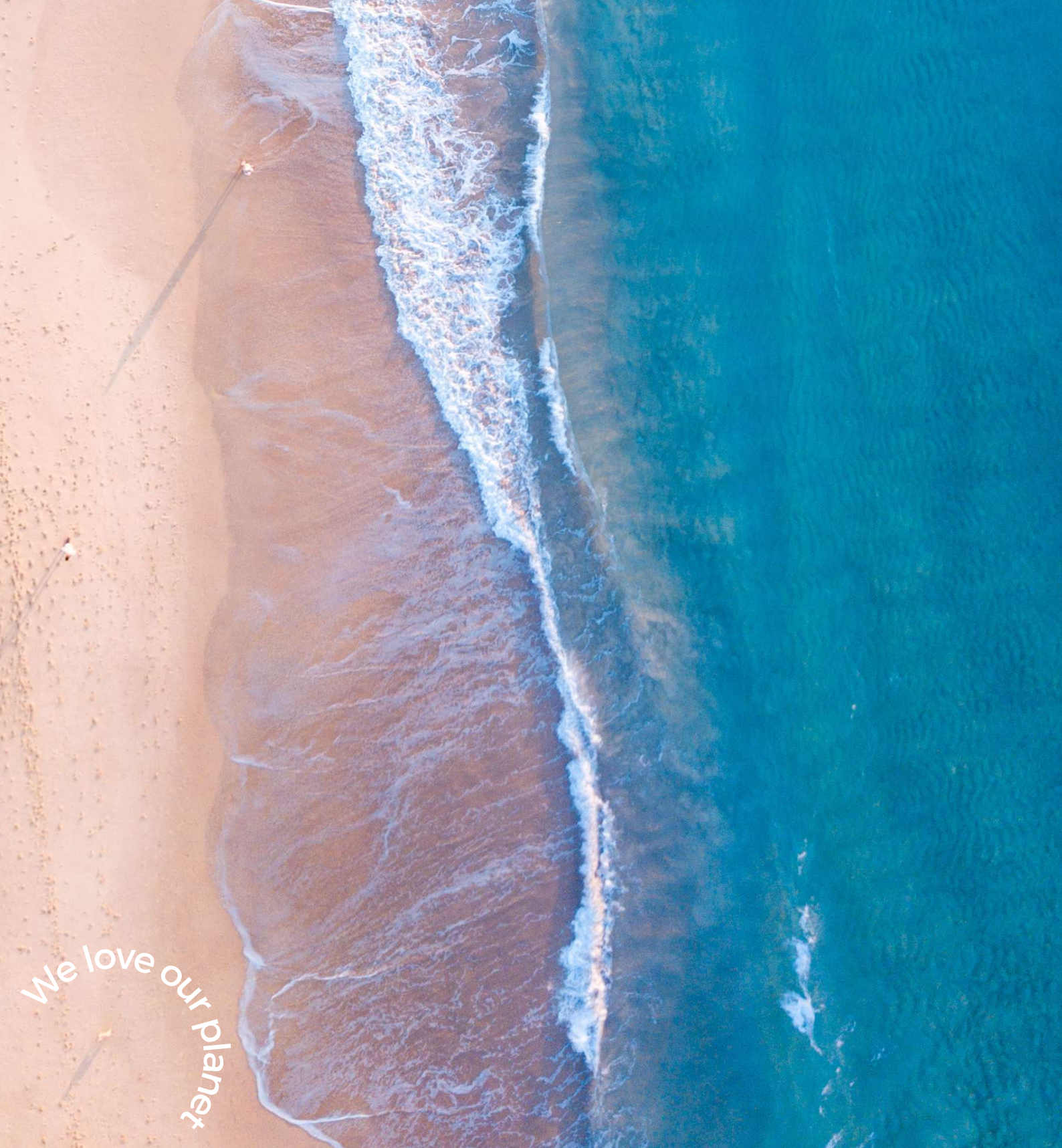
UNLIMITED DESIGNS

Sustonable designs look like the most beautiful natural stone. The only difference is Sustonable is sustainable.



Sustonable is the surface that releases the least CO2 into the atmosphere when compared to traditional materials

Sustainability matters



We love our planet

COLOUR RANGE

2021

*Create and design sustainable spaces by choosing the right materials. **100% recyclable**, free of hazardous chemicals, unlimited design options, and high tech qualities address Sustainable as the authentic eco-conscious surfaces.*





MONO- COLOURS

Our eco-friendly production method has formed an efficient consumption circle for surface materials, making us able to offer a genuinely sustainable product for your daily use

UNIVERSAL WHITE

MAGNOLIA WHITE

BEIGE CARAMEL

LAPSE GREY

NIGHT GREY

DEEP GREY

UNIVERSAL BLACK



ECO STONES



SUSTAINABLE CALACATTA



PIERRE BLACK

Respect for Nature has led us to conceive Sustainable Eco Stone series. We manifest our esteem through these natural stone designs. The only variation from a real stone is Sustainable reduces the need for it by 80%.



CLEAN STATUARY



EARTHY CALACATTA



MINDFUL CREAM



COCOA EMPIRE



SUBTLE MARQUINA



VOGUE



FRIENDLY TERRAZZO

Popular and modern-day designs. Feel free to choose between styles and create your own sustainable ambiance.



CONSCIOUS TERRAZZO

A close-up photograph of a concrete surface with a 'Rustic White' finish. The texture is highly irregular and porous, with a mix of light and dark grey tones, giving it a weathered and organic appearance.

RUSTIC WHITE

A close-up photograph of a concrete surface with a 'Light Bond Cement' finish. The texture is smoother and more uniform than the rustic white, with a consistent light grey color and a fine, slightly grainy surface.

LIGHT BOND CEMENT

A close-up photograph of a concrete surface with a 'Carbon Neutral Concrete' finish. The texture is very smooth and uniform, with a consistent dark grey color and a fine, slightly grainy surface.

CARBON NEUTRAL CONCRETE



SLAB DIMENSIONS



SLAB DIMENSIONS

THICKNESSES

Please note the measurements (feet and inches) stated in this manual are approximate only.



FORMATS

UNIQUE

70 CM X 260 CM
102 3/8" X 27 1/2"

WEIGHTH

6 MM | 23,2 KG
8 MM | 30,9 KG

STANDARD

70 CM X 305 CM
120" X 27 1/2"

WEIGHTH

6 MM | 27,2 KG
8 MM | 36,2 KG

LARGE

70 CM X 325 CM
128" X 27 1/2"

WEIGHTH

6 MM | 29,0 KG
8 MM | 38,6 KG

UNIQUE

80 CM X 260 CM
102 3/8" X 31 1/2"

WEIGHTH

6 MM | 26,5 KG
8 MM | 35,3 KG

STANDARD

80 CM X 305 CM
120" X 31 1/2"

WEIGHTH

6 MM | 31,1 KG
8 MM | 41,1 KG

LARGE

80 CM X 325 CM
128" X 31 1/2"

WEIGHTH

6 MM | 33,1 KG
8 MM | 44,1 KG

A close-up photograph of a person's hand holding a crushed, clear plastic bottle. The hand is positioned in the upper right quadrant of the frame. The bottle is crumpled and appears to contain some dark residue. Below the hand, a large pile of dark, wet, and crumpled plastic waste is visible, suggesting a recycling or waste management process. The background is a blurred, light-colored surface, possibly a concrete or stone ground. The overall tone is somber and focused on environmental impact.

WE FIRMLY BELIEVE

It is still possible to save the planet
and live in a more environmentally
friendly world.



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