Material Sea Stone

newtab-22

Sea Stone Project

Sustainable material made from wasted seashells.

Sea Stone is a sustainable material which in reality is composed of natural, non-toxic ingredients and binders. It features solid, hardness and aesthetic texture like a stone. We intend to integrate Sea Stone to the connection from the debris state to the beautiful home interior objects so that you can see the discarded shells had done their long journey.

Sustainable

Every year, 7 million tons of seashells are discarded by the seafood industry and aquaculture. Even though some of the seashells have been recycled and used as fertilizers, the majority of them are being thrown into landfills or by the seaside. The discarded seashells which are uncleaned or rotten have not been cleared away at all and have been piling up near the beach for a long time, thus, causing odour pollution and polluting the surrounding land in the long run.

Yet, these shells are materials with high potential, which consist of over 90% calcium carbonate, containing similar to the one of what calcium carbonate in the limestone contains and seen as a valuable biomaterial.

Project 'Sea Stone' proposes the use of discarded seashells to create environmentally and economically sustainable material rather than contributing to the world's rubbish problem.

The method is currently carried out manually to avoid the use of heat, electricity and chemical treatments and ensure the process is as sustainable and affordable as possible.

Moreover, it is expected to positively impact on three effects such as reducing waste disposal costs, preventing marine pollution, and recycling waste by creating value-added products with artistic, aesthetic, and functional new uses.

We Collect. Make. Perform.

Handcrafted

We collect discarded seashells from seafood industries, and then shells are processed, ground and mixed with various natural binders, under the right proportion.

Ultimately, those mixtures can maximize the benefit of the materials, as well as textures and hardness.

Its speciality is that each piece is unique. Size of the particle, colour and hand working makes all the pieces different from each other.

Sea Stone | Decorative panel

'Shelluminator'
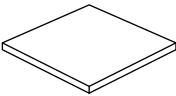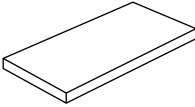
Bespoke Sea Stone Decorative Panel

Size & Colors

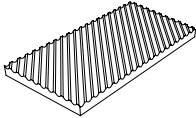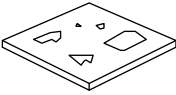|			
Design	by newtab-22	2020	
Production	handmade		
Material	Sea Stone		
Thickness	10 mm (±1.5mm)		
Finish	Honed // Depending on Client's requires		
Color	• Natural Ivory • Sandy Blue • Moss Green • Stone Black		
Tile name	Square	Rectangle	3D stripe
Size	120 x 120 x 10 (mm)	100 x 200 x 10 (mm)	100 x 200 x 10(mm)

Type

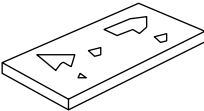**Plain type**   **Plain type**   **3D stripe type**

Terrazzo type   **Terrazzo type**

Square
Natural Ivory
Plain type

Square
Natural Ivory
Terrazzo type

Rectangle
Natural Ivory
Terrazzo type

3D stripe
Natural Ivory
Plane type

Square
Sandy Blue
Plain type

Square
Sandy Blue
Terrazzo type

Rectangle
Sandy Blue
Terrazzo type

3D stripe
Sandy Blue
Plane type

Square
Moss Green
Plain type

Square
Moss Green
Terrazzo type

Rectangle
Moss Green
Terrazzo type

3D stripe
Moss Green
Plane type

Square
Stone Black
Plain type

Square
Stone Black
Terrazzo type

Rectangle
Stone Black
Terrazzo type

3D stripe
Stone Black
Plane type

Technical features

Application	Furniture&interior design	Wall & Ceiling
Inside Outside	Indoor use	
Finishes	Rough & honed mixed // Polished on request	
Compressive Strength	3.24 Mpa	
Stability	Dimensionally stable	
Weight	Approx. weight for sq mt: 17kg	
Light transmission	Impermeable	
Abrasion	Scratch resistant	
Fire protection class	Fire resistant	
Water	Splash-proof and Water repellent treatment	
Warmth	Resistant	
Indoor Air Quality	Verygood	* Formaldehyde_ None * Tolunene_ None * TVOC_ 0.029 ㎎/(㎥·h)

CLADDING : COUNTER DECORATION
Cafe interior concept image

Type number 1
Terrazzo & Plain type mixed

120 x 120 x 10 mm
Sandy Blue

CLADDING : BEDROOM DECORATION
Bedroom interior concept image

Type number 1
Terrazzo & Plain type mixed

120 x 120 x 10 mm
Natural Ivory

Sea Stone | Decorative panel

CLADDING : WALL DECORATION
Cafe interior concept image

Type number 1
Terrazzo & Plain type mixed

120 x 120 x 10 mm
Moss Green

Bespoke Sea Stone Pruducts Line

Vase

The design of the vase was inspired by the sea waves of the ocean.
We recommend putting dry flowers or a single flower in the vase to be in harmony with the vase, creating a picturesque display. Each vase is one of a kind. The mixture of crushed shells gives unique different side patterns.

W65 x L55 x H260 (mm)
Pink, Beige

Mirror

The form and the rough surface of the mirror took inspiration from the cliff and the sedimentary rock. Each mirror is one of a kind. The shape and the pattern, which are a mixture of the mother of pearl and the layered stones for each piece are unique.

W200 x L65 x H255 (mm)
Beige,Black,Blue

Wall Decor

Made of discarded Seashell. Do not submerge in the water, please wipe clean with a wet towel. Due to the handcrafted nature of this item, expect slight variation in the appearance of each unique piece.

Dia 185 x H28 (mm)
Beige,Black,Blue

Candle Holder

Inspired by the beautiful layers of seashell at the beach. Every single item was designed as an entirely unique object surface pattern.
The mother of pearl pieces of abalone shells on the top, add a delightful feeling of observing the natural beauty. Turn on the candle light, observe that glow filling your room.

Dia105 x H90 (mm)
Pink

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Hyein Choi and Jihee Moon are Studio newtab-22, a designer duo based in Seoul and London, started from Royal College of Art 2019.

We are interested in natural, new or overlooked materials. We seek the beneficial and intriguing properties of the materials, trying to bring them into modern life with our design. We aim to critically bring sustainability into society with the outcome of our work.
We suggest the possibilities for today and tomorrow, facilitating innovative experiments while following the aesthetically pleasing aspect of natural itself.

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Material-led Design Studio