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OSTREA DESIGN: A Marble-Like Material Made from Recycled Shells

OSTREA DESIGN, a startup specializing in the production of a low-carbon and recyclable mineral material, announces its presence at the Maison & Objet 2024 trade fair alongside a collective of eco-responsible material producers at the "Eco-Materials Corner" stand.

Founded in 2020 by Tanguy Blévin, Maxime Roux, Camille Callennec, and Théo Joy, OSTREA DESIGN emerged from an encounter with oyster farmers and a realization: every year in France, this sector produces nearly 250,000 tons of shell waste, of which only 5 to 10% is recycled, with the rest being sent to landfills. The OSTREA DESIGN team decided to create the first eco-material "made in France" (Brittany), low-carbon, and 100% recyclable, made from oyster, mussel, and scallop shells. The result speaks for itself: compliant with the RE2020 requirements, OSTREA emits only 3 kilograms of CO₂ per square meter produced, compared to 97 kilograms for PVC or 48 kilograms for ceramics.

The OSTREA material is composed of 65% recycled shells, combined with a low-carbon cement mineral matrix without any added polymer resin. To produce it, the shells are air-dried, cleaned of any organic matter, then ground into flakes of different sizes which are then mixed into a mineral matrix at the company's workshop in Rennes. The OSTREA then undergoes a natural curing phase without firing, after which it can be worked like natural stone. Fire-resistant, scratch-resistant, and impervious to water and stains, the resulting material is fully recyclable as aggregate.

OSTREA DESIGN Unveils New Furniture at Maison & Objet in Paris

Thanks to a fundraising round completed in 2023, OSTREA DESIGN has been able to strengthen its team of 17 people and invest in Research & Development. These investments have allowed the startup to increase its expertise and innovation capacity to offer ever more cutting-edge products. This year, the company continues to collaborate with renowned partners such as Moore Design, Furniture For Good, and Artmeta, and announces new partnerships with furniture manufacturers like Ardamez and Akante.

OSTREA DESIGN Expands into Countertops

OSTREA DESIGN is also expanding into the marble industry with partners such as Pythagore and Ringot marble works and Villa Recci, with whom they have completed exceptional projects for hotels and luxury brands. At the fair, they will present the first custom washbasin countertop made of OSTREA, in collaboration with Pythagore marble works and the French brand of stainless steel sinks and faucets: BRADANO.

OSTREA also announces a partnership with CUISINES MOREL for a 100% biosourced and made-in-France kitchen. OSTREA countertops will be featured in their new eco-friendly "[Fleurs](#)" range.

OSTREA DESIGN Unveils New Product Innovations for 2025

Launch of Flooring: The innovation teams at OSTREA DESIGN have developed a new formulation suitable for use in flooring. They will present their first shell-based flooring product at Maison & Objet 2024.

Large Slabs over 3 Meters: This year, the team has also successfully produced its first 305x145 cm slab with a thickness of 20 mm. This is the first of many, as it will become the standard size for all slabs produced by OSTREA DESIGN in their future factory. This will enable the creation of large kitchen islands in OSTREA formed from a single seamless block.

PHOTO OSTREA: Please confirm with us in advance any photos you wish to use: maxime@ostreadesign.com + adam@ostreadesign.com