

OSTREA



TECHNICAL SPECIFICATIONS	STANDARD	TEST RESULTS
DIMENSIONAL REQUIREMENTS Deviations & Flatness	EN 13748-1:2005	THICKNESS: <± 2MM TOLERANCE: 1MM/ML
DENSITY	EN 14617-1:2005	2,20 - 2,40 KG/DM3
WATER ABSORPTION	EN 14617-1:2005	M ≤ 5%
COMPRESSIVE STRENGTH	NF EN 196-1	9-14 MPa
FLEXURAL STRENGTH	NF EN 196-1	45-80 MPa
FIRE RESISTANCE	NF P92-507	M1
STANDARD OSTREA SLAB SIZE	3050 X 1450 X 20 MM	
STANDARD OSTREA SLAB WEIGHT	≤ 220 KG/M2	
AVERAGE WEIGHT THICKNESS 20 MM	48 KG/M2	
SURFACE HEAT RESISTANCE Waterproofed surface	≤ 120°C	
SURFACE HEAT RESISTANCE Non-waterproofed surface	≤ 220°C	
STAIN & ACID RESISTANCE (RED WINE, COFFEE, OIL, IODINE, VINEGAR, LEMON) Waterproofed surface	NO CHANGE AFTER 48H	
STAIN & ACID RESISTANCE (RED WINE, COFFEE, OIL, IODINE, VINEGAR, LEMON) Non-waterproofed surface	CHANGE AFTER 15 MIN	
PERMITTED OVERHANG	30 CM	

Ostrea is a French low-carbon material made from recycled shells, with no resin or kiln firing, designed for floors, worktops, and furniture. Comparable to natural stone, it combines high performance with lasting beauty, in the service of architecture that is sensitive to its environment.

CARE INSTRUCTIONS FOR WATERPROOFED SURFACES (WORKTOP FINISH)

Slabs with the Ostrea worktop surface protection are ready to use and require no reapplication.

Stain Resistance	The material is stain-resistant and is not affected by water or moisture. Ostrea is protected with a natural stone surface treatment that allows it to withstand most chemical attacks for over 48 hours. It is nonetheless important to clean the surface regularly to prevent the build-up of foreign substances, which could lead to long-term deterioration.
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Maintenance	For long-term maintenance, we recommend cleaning with water and black soap. To preserve the surface protection and polish of your Ostrea worktop, avoid contact with solvents (acetone, white spirit), chlorinated products (bleach), and acids (descaler, concentrated vinegar). Use a non-abrasive sponge. Do not use the abrasive side of a sponge, wire brushes, steel wool, or any other abrasive tool.
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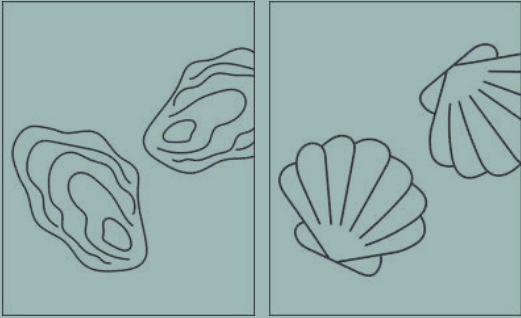
Sensitivity to micro-scratches	<u>Do not cut directly on the surface</u> with a knife. Ostrea has a satin finish that may be sensitive to micro-scratches.
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Sensitivity to heat	The material is naturally fire-resistant, but the surface treatment applied to the worktop is heat-sensitive and can withstand a maximum temperature of approximately 180°C. It is therefore important to use trivets to prevent any surface damage. In the event of damage, it is possible to sand the surface and reapply the protection to restore the worktop to its original appearance.
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REPAIRS & TOUCH-UPS

Small chips or impacts can be repaired using a UV resin such as Stonelux, available from Cormatex.

AESTHETIC VARIATIONS



The Shells	The visual identity of Ostrea material is rooted in the richness and diversity of French shells. The shells used are scallop and oyster. To the touch, Ostrea has a mineral, cool texture evoking the sensory experience of marble or polished granite.
Colour Variations	Rigorous quality control is applied at every stage of production. However, slight variations in shade and granulometry may occur, due to the natural properties of the shell flakes.
Surface Variations	The surface may show irregularities inherent to the shell morphology, including occasional cavities of around 1 to 2 mm, resulting from the natural structure of the material. This does not affect mechanical performance.
Structural Variations	Although the distribution of flakes is governed by strict quality control ensuring homogeneity, the arrangement of the shells remains free. Each Ostrea slab is therefore unique and has a singular structure.

Ocean-born surfaces

OSTREA