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LIVORNO

In two sizes and three shades, Livorno is an Italian made porcelain with a fantastic slip resistance, making it ideal not only for kitchens and bathrooms for homeowners, but for more commercial settings like hotels, bars and restaurants.

3 COLOURS / 1 FINISH / 2 FORMATS



Livorno Sand Dune



Livorno Beach

COLOURS

Shell



Beach



Sand Dune

FORMAT	SIZE (mm)	THICKNESS (mm)	FINISH	COLOURS	RECOMMENDED GROUT WIDTH (mm)	BOX QTY
Square	600 x 600	8.5	Rectified Porcelain	All	3	3
Rectangle	600 x 1200	8.5	Rectified Porcelain	All	3	2

Shade Variation / V2 - Slight

Slip Rating / R10 A+B | PTV 36+ Shod

Material / Rectified Porcelain

Requires Sealing / No

Recycled Contents / 30%

* A ramp slip rating (R) and/or PTV Slider 96/55 value where quoted, are determined from tests carried out on one batch and the result can vary from batch to batch. Please contact technical@claybrookstudio.co.uk for further information.

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LIVORNO

Installation and Technical Advice

Planning & Layout - All substrates should be flat, sound and dust free. All wet areas need to be suitably tanked and if the tiles are being fixed to stud walls or joist floors, then all movement must be made absolutely minimal using suitable plywood or tile backer board. Avoid brick-bonding the 120x60 with a 1/2 overlap, instead opt for a 1/3 overlap to avoid any lipping.

Cutting Advice – Always use a water-cooled tile cutter and plan the tile layout to avoid cuts of less than 15mm where possible. Always cut through the tile with the visible face uppermost and tidy any slight chipping with a rubbing/sanding stone. Ensure the blade is kept clean with a keen, sharp cutting edge, otherwise excess chipping will occur.

Sealing & Grouting Advice - No sealer required. To avoid grout residue/haze, we recommend using our Ardex FL/FS format grout which has been tested with our products and is available to purchase online. We do not recommend using contrasting-coloured or fine grouts for joint widths down to 1mm, as these can cling to the surface making the tiles more difficult to clean-down after grouting. The application of EcoProTec Pre-Grout Protector before grouting and the use of EcoProTec Cement Residue Remover will significantly reduce the chance of grout haze.

Ongoing Maintenance – We recommend using EcoProtec's Stone and Porcelain Aftercare Cleaner for daily cleaning purposes, as this will not affect the tile's slip rating and will not attack the surface of the grout. For an occasional deeper clean, you can use EcoProtec's Stone and Tile Intensive Cleaner.

For further advice on installation please contact **enquiries@claybrookstudio.co.uk** with any questions.

TECHNICAL DATA	INDUSTRY STANDARD	REQUIREMENT	PRODUCT VALUE
Length and Width	BS UNI ENISO 10545-2	0.6% +/- 2mm	≤0.6%
Thickness	BS UNI ENISO 10545-2	5% +/- 0.5mm	≤5%
Edge Straightness	BS UNI ENISO 10545-2	0.5% +/- 1.5mm	≤0.5%
Rectangularity	BS UNI ENISO 10545-2	0.5% +/- 2mm	≤0.5%
Surface Flatness	BS UNI ENISO 10545-2	0.5% +/- 2mm	≤0.5%
Surface Appearance (% of surface free of flaws)		≥95%	>95%
Water Absorption	BS UNI ENISO 10545-3	≤0.5%	<0.5%
Breaking Strength	BS UNI ENISO 10545-4	≥35N/mm2	≥38N/mm2
Resistance to Abrasion	BS UNI ENISO 10545-6	≤175mm3	≤175mm3
Thermal Shock Resistance	BS UNI ENISO 10545-9	Pass	Pass
Frost Resistance	BS UNI ENISO 10545-12	No alteration to surface	No alteration
Chemical Resistance (domestic)	BS UNI ENISO 10545-13	GB min	Conforms
Stain Resistance (domestic)	BS UNI ENISO 10545-14	Class 3 min	Class 5

If you require any further assistance regarding specification data, technical advice or samples, please contact enquiries@claybrookstudio.co.uk or technical@claybrookstudio.co.uk