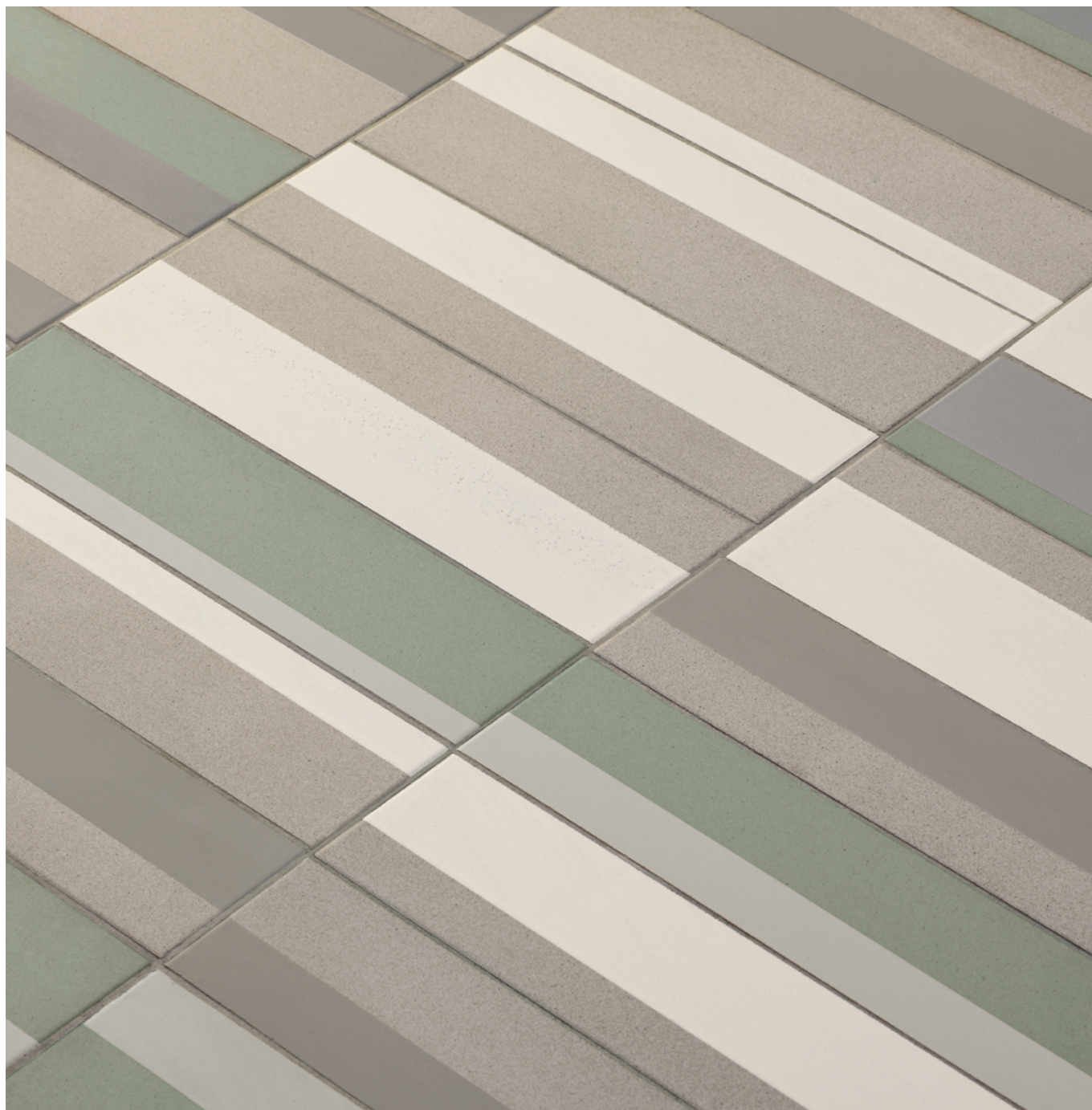


# Mutina

## Piano

by Ronan & Erwan Bouroullec



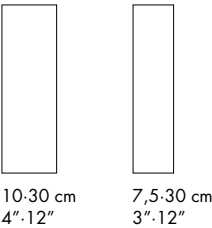
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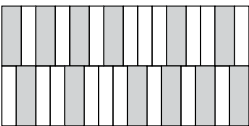


# General information

collection	Piano
design	Ronan & Erwan Bouroullec, 2017
production	Industrial
material	Glazed homogeneous porcelain stoneware
thickness	10 mm
nominal sizes	10-30 cm (4".12") 7,5-30 cm (3".12")
specification	The collection is: <ul style="list-style-type: none"><li>- 6 color moods</li><li>- Double charge tile body</li><li>- High-Thickness color glaze stripes</li><li>- 5 Double charge bodies: white, grey, rose, green and blue</li><li>- 8 colored glazes: white, beige, light grey, medium grey, dark grey, rose, green and blue</li><li>- Each color mood has a pre-selected combination of matching colors</li></ul>
patents	Registered design n° 004427748-0001/0027 – date of registration: 31/10/2017
category	UNI EN 14411 App G (BIA group) GL



## features



this scheme represents the contents of 1 box (30 pieces). Each set consists of two matching rectangular sizes (7,5-30 cm and 10-30 cm) boxed together. Each box contains 40% of pieces in size 10-30 cm and 60% of pieces in size 7,5-30 cm.

## Laying and maintenance tips

use	Floor, wall – indoor, outdoor.
installation	The material is deliberately shaded.
recommended adhesive	Adhesive for porcelain stoneware.
recommended joints	2mm joints. Use wedges to fix the caliber differences in work size between tiles.
recommended fillers	Cement-based grout / epoxy grout.
cleaning at the end of installation	<p>CEMENT-BASED GROUT: Buffered acid (e.g. DETERDEK PRO by FILA, or similar). Wet the floor with water, dilute the product 1:5 with water and pour it on the floor. Wait for 2 or 3 minutes then use a white scotch brite pad and rinse well with clean water.</p> <p>EPOXY GROUT: Alkaline detergent (e.g. FILA CR10 by FILA). FILA CR10: apply pure, wait for 30 minutes then use a green scotch brite pad.</p> <p>SILICONE: Solvent for silicone (e.g. FILA ZERO SIL.). Pour it straight onto the stain, wait for 20 minutes and remove the mark using scotch brite.</p> <p>PAINT: Can usually be removed using water, but if resin-based paints or particular enamels have been used, it is best to ask the manufacturer which solvent is most suitable.</p> <p>RUST: stain remover es. FILA NO RUST. Apply the product onto the stain, leave for 15 minutes, remove the residue and rinse thoroughly.</p>
general cleaning (installed tiles)	<p>You are recommended to use ordinary neutral detergent diluted in water. Avoid using acid or alkaline products, waxes and/or impregnants. During ordinary cleaning it is recommended to use extremely abrasive items (such as scourers and iron or steel sponges) as little as possible. This recommendation must be adhered to rigorously in the case of tiles with a glossy surface finishing as they are more susceptible to the risk of scuffs, scratches and loss of shine, etc. In the event of heavy dirt or particularly textured surfaces, use an alkaline detergent and rinse after washing. For large surfaces, the use of a floor washing machine is recommended. During every-day cleaning procedures, it is necessary to remember that certain types of dirt (dust, sand) increase the abrasive effect of foot-traffic. Therefore we recommend that you avoid bringing in this type of dirt, which comes in from the outside, by placing a door-mat at the entrance.</p>
calibers (real size)	<p>10 cm x 30 cm -&gt; 98 mm x 299 mm</p> <p>7,5 cm x 30 cm -&gt; 73 mm x 299 mm</p>

## Colors



Blanc



Blanc gris



Blanc rose



Blanc bleu vert



Gris vert



Gris bleu

For information about the available grouts, please contact the sales department.

## Technical features

STANDARD	FEATURES	VALUE REQUIRED	PIANO
ISO 10545/3	water absorption	< 0,5%	in conformity with standard
ASTM C373		< 0,5%	in conformity with standard
ISO 10545/4	breaking strenght	Sp ≥ 7,5 min 1300 N	resistant
ISO 10545/9	resistance to thermal shock	no visible alteration	resistant
ISO 10545/12	frost resistance	no visible alteration	resistant
ASTM C1026		unaffected	unaffected
ISO 10545/13	resistance to chemical attacks	no visible alteration	resistant
ASTM C650			unaffected
ISO 10545/14	stains resistance	minimum 3	5
DIN 51130-04	slip resistance	medium values 6÷10° R9 10÷19° R10 19÷27° R11 27÷35° R12 > 35° R13	R10
DIN 51097		–	–
DCOF		> 0,42	0,63
Pendulum AS/NSZ 4586-13			31 P2
LEED CERTIFICATION 4.1			20% recycled material
Robinson Test		–	extra heavy and high impact use
VOC Emission			available upon request
Declaration of Contents			available upon request
EPD			available upon request
SDS			available upon request
BPD3			available upon request
HPD			available upon request



## Packing

SIZE	PCS-SQM	PCS-BOX	SQM-BOX	BOX-PAL	KG-BOX	KG-PAL	SQM-PAL
7,5-30 / 10-30 cm	39,47	30	0,76	56	16,30	913	42,56