Mutina

Tierras
by Patricia Urquiola

EN

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General information

collection	Tierras
design	Patricia Urquiola, 2014
production	Industrial
material	Unglazed porcelain stoneware
features	Squared and rectified slabs each one exactly the same as the others
thickness	12 mm
nominal sizes	120·120 cm (47″·47″) 60·60 cm (24″·24″) 20·30 cm (8″·12″) frame 20·30 cm (8″·12″) triomix 120·120 cm (47″·47″)
specification	– 4 base colors: Blush, Sand, Rust, Brick – Different sizes, all rectified and modular – Triomix: big square size composed by 5 shapes in the same color or in 3 different colors. each set in composed by 3 patterns not singularly sold – Frame: the decorated base color, in geometrical pattern, is characterized by regular lines in bright and high thickness color. useful for floor and wall Different kind of terracotta and of clays, chromatically matching with each other, combine and mix, enriching and softening the black base of recycled ceramics on which they deposit, making it timidly emerge on the surface. Tierras is industrial tradition with continua technology. Tierras is realized in homogeneous porcelain stoneware, produced with the innovative continua technology: a modern productive system based on the dry processing of the ceramic powders. From an environmental point of view, this system represents an improvement, having a very limited water waste during production. The base of the field tile, which constitutes the first layer of the slab together with the different productive scraps, has being conceived in one single black color. The "top" layer, the one constituted by the colored powders, a different one for every color of the range, sediments on the first two layers, defining the surface's identity. The result is a very solid substance, characterized by a palette of very intense, deep, earthy and natural colors, saturated by the black base.
complementary pieces	Step, Corner tile, Skirting
category	UNI EN 14411 App G (BIA group) UGL

120·120 cm
47″·47″

Triomix
120·120 cm
47″·47″

60·60 cm
24″·24″

20·30 cm
8″·12″

Frame
20·30 cm
8″·12″

complementary pieces

step
30·120·4,5 cm
12″· 47″·1 7/8″

corner tile
30·120·4,5 cm
12″· 47″·1 7/8″

skirting
3,8·60 cm
2″·24″

Laying and maintenance tips

use	Floor, wall – indoor, outdoor.
installation	For an even, smooth shading effect when laying, alternate material from several different boxes. The double spreading technique is recommended for the 120x120 size.
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. Remove all traces of grout carefully before it dries completely.
cleaning at the end of installation	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. 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. 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. 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. RUST: stain remover es. FILA NO RUST. Apply the product onto the stain, leave for 15 minutes, remove the residue and rinse thoroughly.
general cleaning (installed tiles)	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.
calibers (real size)	TIERRAS 60cm x 60m -> 594mm x 594mm TIERRAS 120cm x 120cm -> 1190mm x 1190mm TIERRAS 20cm x 30cm -> 196,7mm x 296mm TIERRAS TRIOMIX 120cm x 120cm -> 1190mm x 1190mm

Colors

Blush

Sand

Rust

Brick

FRAME

Blush

Sand

Rust

Brick

TRIOMIX

Triomix 1 (sand, rust, brick)

Triomix 2 blush/sand/brick

Triomix 3 (ash, humus, rust)

Triomix 4 (blush, sand, ash)

Each set is composed by 3 patterns not singularly sold.

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

Technical features

STANDARD	FEATURES	VALUE REQUIRED	TIERRAS
ISO 10545/2	SIZES		
	length and width thickness straigthness of edges wedging flatness	± 0,6% ± 5% ± 0,5% ± 0,6% ± 0,5%	in conformity with standard
ISO 10545/3	water absorption	< 0,5%	0,06%
ASTM C373		< 0,5%	0,06%
EN 101	surface hardness (scala mohs)	> 5	8
ISO 10545/6	resistance to deep abrasion	<175 mm3	in conformity
ISO 10545/9	resistance to thermal shock	no visible alteration	resistant
ASTM C484		no samples must show visible defects	unaffected
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/NZS 4586-13			37 X
Pendulum BS 7976-2			50 dry 45 wet
Pendulum BS 7976-2			54 dry (item FRAME) 55 wet (item FRAME)
LEED CERTIFICATION 4.1			20% recycled material
ENVIRONMENTAL MANAGEMENT SYSTEM ISO 14000 AND ISO 9001			
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	SQM·PCS	PCS·PAL	KG·PCS	KG·PAL	SQM·PAL
120·120 cm	0,69	1,44	36	38,30	1379,00	51,84

SIZE	SET·SQM	PCS·BOX	SQM·SET	SET·PAL	KG·SET	KG·PAL	SQM·PAL
triomix 120·120 cm	0,23	1set = 3modules	4,32	6	120,15	721,00	25,92

SIZE	PCS·SQM	PCS·BOX	SQM·BOX	BOX·PAL	KG·BOX	KG·PAL	SQM·PAL
60·60 cm	2,77	3	1,08	32	29,00	928,00	34,56
20·30 cm	16,67	8	0,48	64	13,05	835,00	30,72
step 30·120·4,5 cm	–	2	2,40 ml	–	26,00	–	–
corner tile 30·120·4,5 cm	–	1	1,20 ml	–	13,00	–	–
skirting 3,8·60 cm	–	10	6 ml	–	5,00	–	–
frame 20·30 cm	16,67	8	0,48	51	13,05	666,00	24,48