

## **GLAZED TILES SPEC GUIDE**

Technical & Commercial Support

4<sup>th</sup> Edition 2020

Made from natural clays, New Terracotta hand moulded and glazed tiles, in accordance with EN 14411, manufactured using a double-firing process, are known for its variation in size, shape, colour and texture. Our tiles are characterised by countless hues, unique nuances and particular shading details. No two pieces are exactly alike in both design and dimension and, quite often, not perfectly flat.

The irregular edges, the corrugated surface and the small imperfections are the character which makes each piece unique.

90 Formats | 142 Colours | 10 Glaze Finishes

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This document is intended to provide a user-friendly and informative guide for the best practice selection, preservative treatment, design and installation of New Terracotta tiles to ensure product fit for purpose and performance over a range of applications, hazard exposures and design lives. The target users would primarily be architects, designers, builders, engineers, specifiers and other users of New Terracotta tiles.



# We are NEW TERRACOTTA

We are makers of handmade tiles in a human-scale factory, neither too big nor too small.

#### The Essence

New Terracotta is a profoundly Portuguese handmade ceramic project. The premise is simple: to merge the ancient techniques with contemporary aesthetics, offering a new dimension of the tile.



#### **Our Values**

At New Terracotta we stand for impeccable craftsmanship and timeless design.



#### Be Simple.

We curate Naturalism. We value the simplicity in our tiles, sometimes we even reach out for imperfection.





We curate History. We are all about preserving artisanal legacy, as we are heirs of a rich past based on ceramic tradition.

#### Make Extraordinary.

We curate Quality. We pride ourselves on our attention to detail and going the extra mile to ensure that our tiles are truly unique.

# We strongly believe that people prefer handmade products.

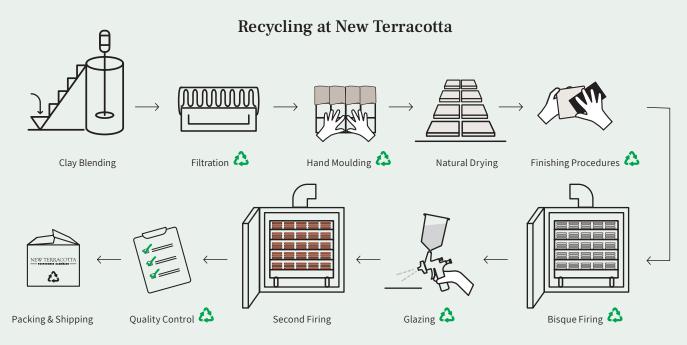


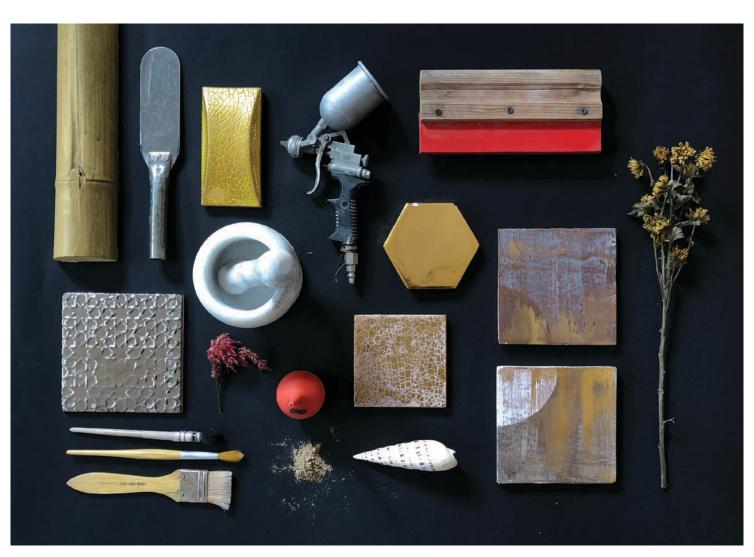
Only the highest quality raw materials, product formulations and packaging materials are used, ensuring the finished product meets our exacting standards.

## Making great sustainable products

We produce clay materials that are eco-friendly. We work hard to reduce our impact on the environment. We reclaim our own liquid waste glaze and our scrap clay and put it back into our clay body. Heat captured from our kilns is used to dry our tiles prior to firing.

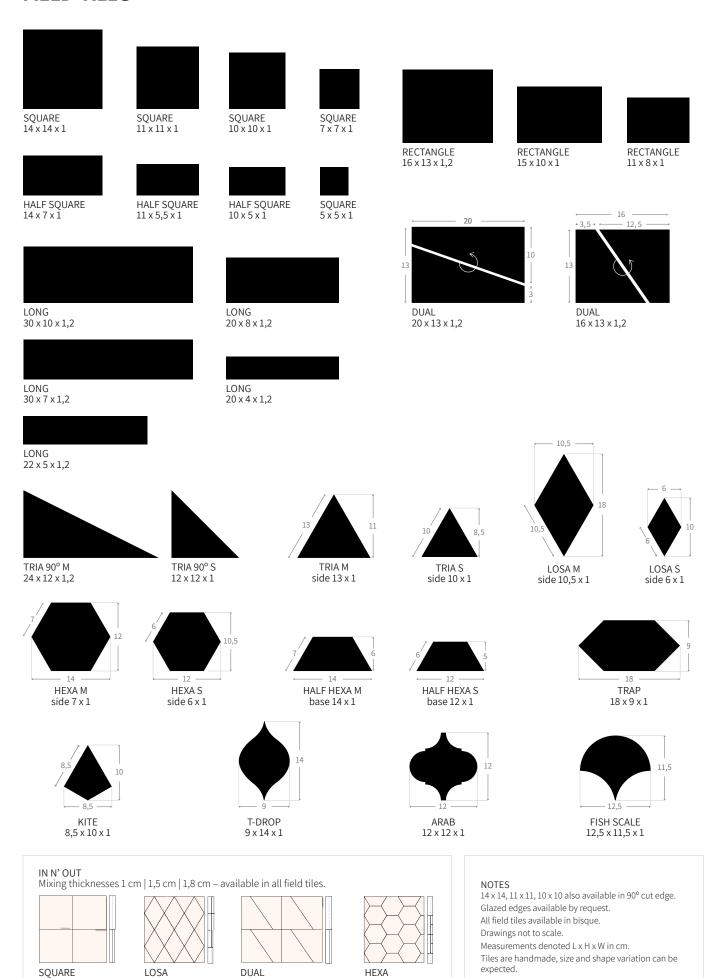
We will continue to make products that can last a lifetime. It makes sense for the client and it makes sense for the environment.







FIELD TILES
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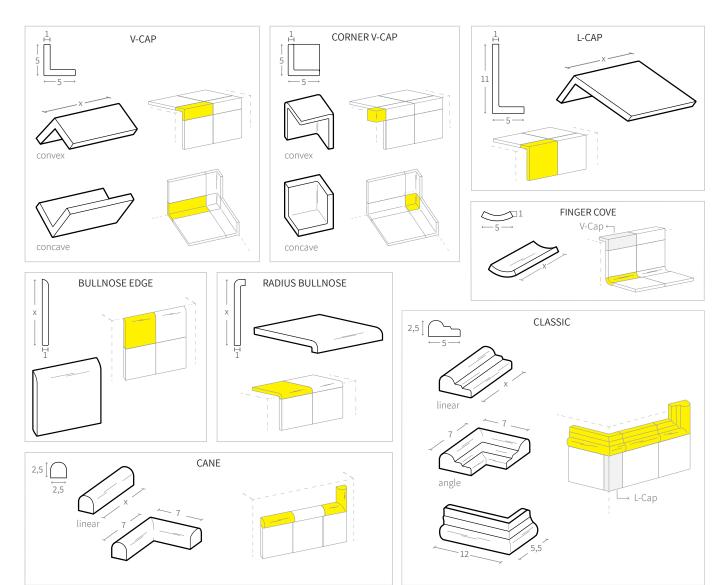
1 | 1,5

1 | 1,5 | 1,8

1 | 1,5 | 1,8

1,2 | 1,8

**TRIMS** Format Guide . Page 7



NOTES Available for all field tiles.

Bespoke corner tiles available by request. Glazed edges available by request.

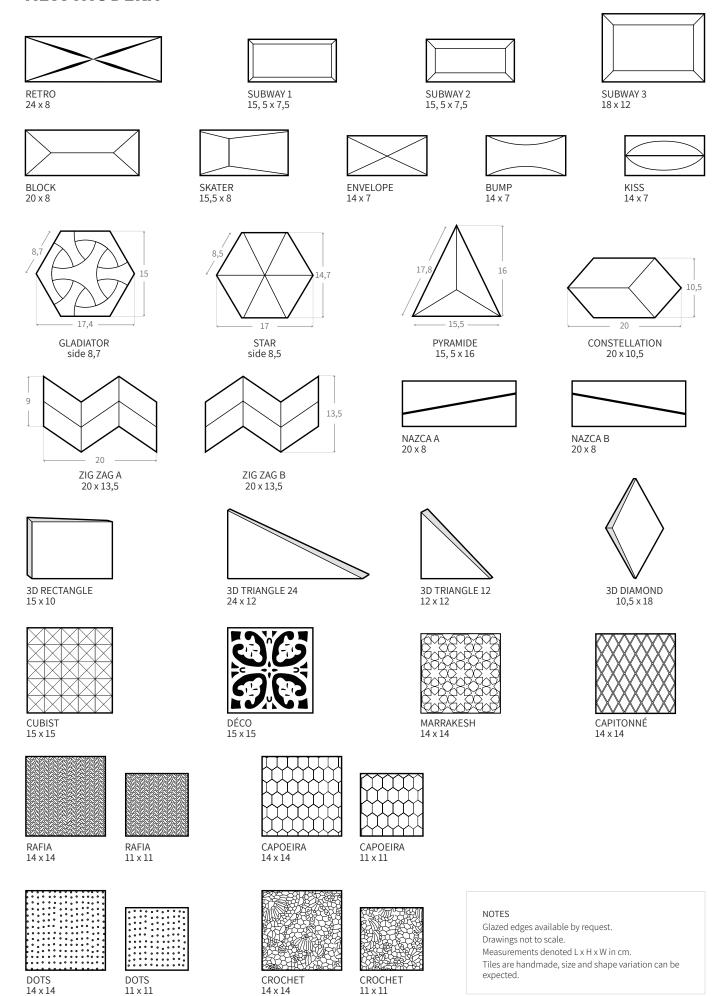
Drawings not to scale.

Measurements denoted L x H x W in cm.

Tiles are handmade, size and shape variation can be expected.

NEW MODERN

Format Guide . Page 8



## **PORTUGUESE HERITAGE**



ARRAIOLOS 14 x 14



CALIFA 14 x 14



PARRA 14 x 14



BORDALLO 14 x 14



PINHEIRO 14 x 14



PENA 14 x 14



BOTÃO 13 x 13



FLORÃO 14,5 x 14,5



FLORÃO 11 x 11



RÉGUA 14 x 14



RÉGUA 11 x 11



RENDA 14 x 14



RENDA 7 x 7

#### NOTES

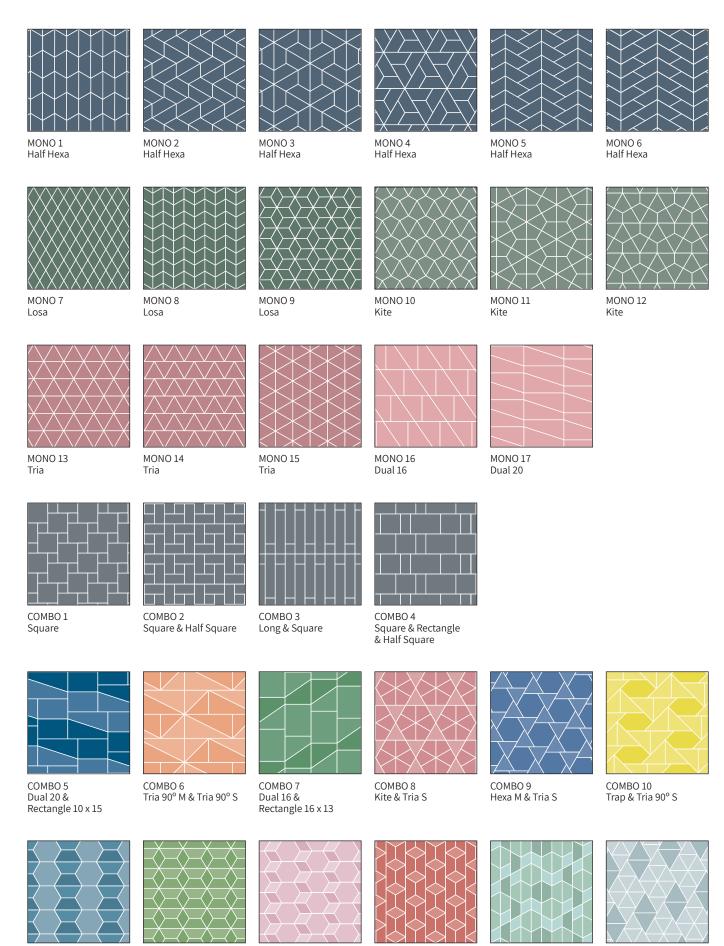
Glazed edges available by request.

Drawings not to scale.

Measurements denoted  $L \times H \times W$  in cm.

Tiles are handmade, size and shape variation can be expected.

LAYOUTS Format Guide . Page 10



COMBO 11

Hexa & Half Hexa

COMBO 12

Half Hexa S & Losa S

COMBO 13

Hexa S & Losa S

COMBO 14

Half Hexa S & Losa S

COMBO 15

Half Hexa S & Losa S

COMBO 16

Tria M & Tria S

	FIELD TILES					
in cm	number of tiles per sqm	in cm	number of tiles per sqm			
Square 14 x 14 x 1 11 x 11 x 1	48 78	Tria M side 13 x 1 S side 10 x 1	136 230			
10 x 10 x 1 7 x 7 x 1 5 x 5 x 1	92 192 376	<b>Losa</b> M side 10,5 x 1 <b>S</b> side 6 x 1	104 320			
Half Square 14 x 7 x 1 11 x 5,5 x 1 10 x 5 x 1	98 160 188	Hexa M side 7 x 1 S side 6 x 1	78 107			
Rectangle 16 x 13 x 1,2 15 x 10 x 1	47 64	Half Hexa M base 14 x 1 S base 12 x 1	156 214			
11 x 8 x 1 Long	110	<b>Trap</b> 18 x 9 x 1	86			
30 x 10 x 1,2 30 x 7 x 1,2 22 x 5 x 1,2	33 47 86	<b>Kite</b> 8,5 x 10 x 1	230			
20 x 8 x 1,2 20 x 4 x 1,2	60 118	<b>T-Drop</b> 9 x 14 x 1	148			
Dual 20 x 13 x 1,2 16 x 13 x 1,2	74 94	Arab 12 x 12 x 1	136			
Tria 90° M 24 x 12 x 1,2	70	Fish Scale 12,5 x 11,5 x 1	134			
S 12 x 12 x 1	138					

	TRIMS						
in cm	number of tiles per linear m	in cm	number of tiles per linear m				
V-Cap 14 x 5 x 1 11 x 5 x 1 10 x 5 x 1	7 9 10	Finger Cove 14 x 5 x 1 11 x 5 x 1 10 x 5 x 1	7 9 10				
Corner V-Cap 5 x 5 x 1 L-Cap 14 x 14 x 1 11 x 11 x 1		Cane linear 14 x 2,5 11 x 2,5 10 x 2,5 angle side 7 x 2,5	7 9 10 —				
Bullnose Edge 14 x 14 x 1 11 x 11 x 1 10 x 10 x 1	7 9 10	Classic linear 14 x 5 11 x 5 10 x 5 angle side 7 x 5	7 9 10 —				
Radius Bullnose 14 x 14 x 1 11 x 11 x 1 10 x 10 x 1	7 9 10	corner 12 x 5,5 x 5	_				

	NEW MODERN					
in cm	number of tiles per sqm	in cm	number of tiles per sqm			
Subway 1. 15,5 x 7,5 2. 15,5 x 7,5 3. 18 x 12	86 86 46	3D Rectangle 15 x 10 3D Triangle	66			
Retro 24 x 8	52	<b>24.</b> 24 x 12 <b>12.</b> 12 x 12	70 138			
Block 20 x 8	62	<b>3D Diamond</b> 10,5 x 18	104			
Envelope 14 x 7	102	Cubist 15 x 15	45			
Bump 14 x 7	102	<b>Déco</b> 15 x 15	45			
Kiss 14 x 7	102	Marrakesh 14 x 14	51			
<b>Skater</b> 15,5 x 8	81	Capitonné 14 x 14	51			
Constellation 20 x 10,5	62	Rafia 14 x 14	51			
<b>Pyramide</b> 15,5 x 16	86	11 x 11 Capoeira	82			
<b>Star</b> side 8,5	53	14 x 14 11 x 11	51 82			
<b>Gladiator</b> side 8,7	51	Dots 14 x 14 11 x 11	51 82			
Zig Zag A 20 x 13,5 B 20 x 13,5	52 52	Crochet 14 x 14 11 x 11	51 82			
Nazca A 20 x 8 B 20 x 8	62 62					

PORTUGUESE HERITAGE					
in cm	number of tiles per sqm	in cm	number of tiles per sqm		
Arraiolos 14 x 14	51	<b>Botão</b> 13 x 13	59		
Califa 14 x 14	51	Florão 14,5 x 14,5	48		
Parra 14 x 14	51	11 x 11 Régua	82		
Bordallo 14 x 14	51	14 x 14 11 x 11	51 82		
Pinheiro 14 x 14	51	<b>Renda</b> 14 x 14 7 x 7	51 204		
Pena 14 x 14	51	1 / 1	204		

	COMBOS					
in cm	number of tiles per sqm	in cm	number of tiles per sqm			
Combo 1 - A Square 14 x 14 Square 7 x 7	44 41	Combo 7 Dual 16 x 13 Rectangle 16 x 13	27 27			
Combo 1 - B Square 10 x 10 Square 5 x 5	72 70	Combo 8 Kite 8,5 x 10 Tria S - side 10	180 63			
Combo 2 - A Square 7 x 7 Half Square 14 x 7	25 95	Combo 9 Hexa M - side 7 Tria S - side 10	48 95			
Combo 2 - B Square 5 x 5 Half Square 10 x 5	49 176	Combo 10 Trap 18 x 9 Tria 90° S - 12 x 12	28 102			
Combo 3 - A Long 22 x 5 Square 5 x 5	80 70	Combo 11 - A Hexa M - side 7 Half Hexa M - base 14	43 85			
Combo 3 - B Long 30 x 10 Square 10 x 10	25 25	Combo 11 - B Hexa S - side 6 Half Hexa S - base 12	60 103			
Combo 3 - C Long 30 x 7 Square 7 x 7	44 37	Combo 12 Half Hexa S - base 14 Losa S - side 6	161 85			
Combo 4 - A Square 10 x 10 Rectangle 15 x 10 Half Square 10 x 5	33 38 30	Combo 13 Hexa S - side 6 Losa S - side 6	67 136			
Combo 4 - B Square 11 x 11	39	Combo 14 Half Hexa S - base 14 Losa S - side 6	161 85			
Half Square 11 x 5,5	<u> </u>		177 78			
Combo 5 Dual 20 x 13 Rectangle 10 x 15	21 35	Losa S - side 6  Combo 16  Tria M - side 13	44			
Combo 6 Tria 90° M - 24 x 12 Tria 90° S - 12 x 12	52 47	Tria S - side 10	172			

#### Check the quantities.

Ordering proper quantities is essential as we cannot guarantee an exact match between batches.

We recommend ordering 10% extra tiles. There is a 3 sqm minimum order.

The number of tiles supplied per square meter is approximate and depends upon the suggested grout joint (our standing grouting space is 1 to 4 mm).







# NOTES Drawings not to scale. Measurements denoted L x H x W in cm.

 $\label{tiles} \hbox{Tiles are handmade, size and shape variation can be expected.}$ 



#### **BORDERS**



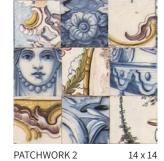




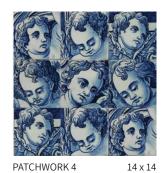


#### **PATCHWORKS**





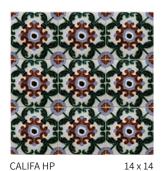






14 x 14 PATCHWORK 5

#### **RELIEFS**





MARRAKESH HP





14 x 14

ANDALUCIA 14 x 14

**PARIS** 14 x 14

#### NOTES

Drawings not to scale.

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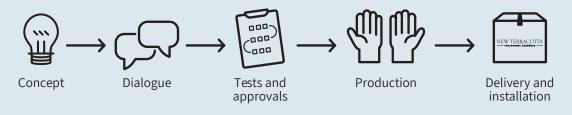
Our in-house team of designers, ceramic experts and experienced craftsmen allow us to collaborate with leading architects and designers on their spectacular projects.

#### **ARTISTIC TECHNIQUES**

FREE HAND PAINTING
HAND SCREEN PRINTING
STENCIL ART
DECAL TRANSFER

#### LISTENING AND LEARNING

We begin by listening to our clients' creative vision, taking the time to understand their fundamental needs and desires, yet seeking to push the boundaries of their imagination with our knowledge of what is possible.



#### **BESPOKE HAND PAINTED TILES**

Our comprehensive bespoke design consultation service is all about personalization.

#### CUSTOM AND BESPOKE DESIGNS

New Terracotta offers a comprehensive mural design service from conception to installation. Whether it is customising one of our existing designs, or working with us on a completely bespoke creation, our experts will guide you through this exciting process.

#### HISTORIC RESTORATION

New Terracotta has considerable expertise and experience with tiles in listed buildings. We have delivered bespoke tiles to palaces, monuments, churches and private homes for projects involving very specific requests and requirements concerning quality, appearance and dimensions.

#### ■ BESPOKE HAND PAINTED MURALS

Designs are created on paper either by hand or by computer and transferred onto tile through the artistic application by our highly skilled tile decorators. Using a variety of brush techniques, the glazes are applied which when fired create stunning individual pieces of ceramic art with tremendous depth of colour and character.





## **GLAZE SPECIFICATION**

New Terracotta has its core strength in the wide knowledge of colours. We are always ahead of different colour expressions.

A colour reaches its maximum when the pigment has been developed to the highest emotional resonance for that colour. There is so much more to our work than fine raw materials and high pigment loads. At New Terracotta, we are forging together the right balance of pigment, glaze, history, science and emotion.

The collection features **142** subtle, luminous, semi-transparent, deep, metallic colours. Each of them has a historical and artistic background.

BASIC COLOURS							
Ref.	Colour Name	Glaze Definition	Glaze Variation	Long Term Crazing	Pools, Lakes Fountains	Exterior Facades	
B001	Yellow Yolk	glossy translucent	low	•	<b>√</b>	✓	
3002	Eggshell White	glossy translucent	low		✓	<b>✓</b>	
B007	Delicate Peach	glossy translucent	moderate		✓	✓	
B010	Flamingo Baby	glossy translucent	moderate		✓	✓	
B011	Flamingo Pink	glossy translucent	moderate		✓	✓	
B012	Jet Set Black	glossy solid	low	yes	<b>√</b>	<b>√</b>	
B014	Chicago Cobalt Blue	glossy solid	low	yes	✓	<b>√</b>	
B017	Midnight Indigo	satin to glossy solid	low		<b>√</b>	<b>√</b>	
B020	Vanilla Cream	glossy translucent	moderate		<b>√</b>	<b>✓</b>	
B022	Mint Macaron	glossy translucent craquelé	moderate				
B023	Lavender Violet Blue	glossy translucent	moderate		<b>√</b>	<b>√</b>	
B025	Oyster Mushroom White	glossy translucent craquelé	moderate				
B028	Charcoal Grey	glossy solid	moderate		✓	<b>✓</b>	
B029	Elephant Grey	glossy translucent	low		<b>√</b>	<b>✓</b>	
B037	Soft Lilac	glossy translucent	moderate		<b>√</b>	<b>√</b>	
B038	Neon Green	glossy translucent	low		<b>√</b>	<b>√</b>	
B039	Shallow Waters	glossy translucent craquelé	moderate				
B040	Forest Green	glossy translucent	moderate	yes	<b>√</b>	<b>√</b>	
B042	Ice Grey White	glossy solid	low		<b>√</b>	<b>√</b>	
B043	French Grey	glossy solid	low		<b>√</b>	<b>√</b>	
B044	Divine Grey	glossy solid	low		<b>√</b>	<b>√</b>	
B046	Green Mojito	glossy translucent craquelé	moderate				
B049	Pikachu Yellow	glossy solid	low		<b>√</b>	<b>√</b>	
B051	Blue Dolphin	glossy translucent	moderate		<b>√</b>	<b>√</b>	
B053	Saffron Yellow	glossy translucent	high		<b>√</b>	<b>√</b>	
B054	Creme Caramel	glossy translucent	high	yes	<b>√</b>	<b>√</b>	
B055	Blue Sky	glossy translucent	low		<b>√</b>	<b>√</b>	
B057	Brown Beer Bottle	glossy translucent	moderate	yes	<b>√</b>	<b>√</b>	
B059	Sand Bisque	glossy translucent	moderate		<b>√</b>	<b>√</b>	
B061	Transparent Violet	glossy translucent craquelé	high				
B065	Misty Blue	glossy translucent craquelé	moderate				
B067	Spearmint Spa	glossy translucent craquelé	high				
B068	Crystal Blue Waters	glossy translucent craquelé	moderate				
B069	Electric Blue	glossy solid	low		✓	✓	
B071	Paradise Turquoise	glossy translucent craquelé	moderate				
B074	Emerald Lake	glossy translucent	moderate		<b>√</b>	<b>✓</b>	
B075	Ultramarine Sea	glossy translucent craquelé	high				
B083	Ocean Surf	glossy translucent	moderate		<b>√</b>	<b>√</b>	
B088	Tempest Blue	glossy translucent	moderate	yes	<b>√</b>	<b>√</b>	
B089	Tempest Green	glossy translucent	moderate	<u> </u>	<b>√</b>	✓	
B090	Penguin White	satin to glossy solid	low		<b>√</b>	✓	
B091	Minimal White	glossy solid	low		<b>√</b>	<b>√</b>	
B092	Lemon Tart	glossy translucent	moderate		✓	✓	

## **GLAZE SPECIFICATION**

			JRS

Ref.	Colour Name	Glaze Definition	Glaze Variation	Long Term Crazing	Pools, Lakes Fountains	Exterior Facades
B096	Desert Bisque	glossy translucent	moderate		<b>√</b>	<b>√</b>
B097	Water Bisque	glossy translucent craquelé	moderate			
B101	Innocent Pink	glossy solid	low		✓	<b>√</b>
B103	Pink Ballet	glossy solid	moderate		<b>√</b>	<b>√</b>
B110	Antique Rose Velvet	glossy translucent	low		<b>√</b>	<b>√</b>
B113	Frozen Margarita	glossy translucent craquelé	low			
B150	Fresh Salmon	glossy translucent	low		<b>✓</b>	<b>√</b>
B151	Blue Fronteira	satin to glossy solid	low		<b>✓</b>	<b>√</b>
B152	Blue Provence	satin to glossy solid	low		<b>✓</b>	✓
B190	Transparent White	glossy translucent craquelé	low			
B202	Giraffe Print	glossy translucent craquelé	moderate			
B204	Giraffe Yellow	glossy translucent craquelé	moderate			
B206	Giraffe Blue	glossy translucent craquelé	moderate			
B208	Giraffe Pink	glossy translucent craquelé	moderate			
B210	Giraffe Green	glossy translucent craquelé	moderate			
B301	Burnt Siena	glossy solid	low		<b>✓</b>	<b>√</b>
B600	Green Guru	glossy solid	low		<b>√</b>	<b>√</b>
B608	Green Delight	glossy solid	low		<b>√</b>	<b>√</b>
B618	Amazon Green	glossy solid	low		<b>√</b>	<b>√</b>
B625	Olive Green	glossy solid	low		<b>√</b>	<b>√</b>
B628	Khaki Green	glossy solid	low		<b>√</b>	✓
B700	British Racing Green	glossy translucent	moderate	yes	<b>√</b>	✓
B705	So Sweet Teal	glossy solid	low		<b>√</b>	✓

### **MATT COLOURS**

Ref.	Colour Name	Glaze Definition	Glaze Variation	Long Term Crazing	Pools, Lakes Fountains	Exterior Facades
M800	Belgian Chocolate Matt	satin matt	low		<b>√</b>	<b>√</b>
M810	Italian Coffee Matt	satin matt	low		$\checkmark$	$\checkmark$
M815	Paper Black Matt	satin matt	low		$\checkmark$	✓
M820	Graphite Grey Matt	satin matt	low		$\checkmark$	✓
M825	Smoke Grey Matt	satin matt	low		$\checkmark$	✓
M830	Cotton White Matt	satin matt	low		$\checkmark$	✓
M835	Industrial Grey Matt	satin matt	low		$\checkmark$	✓
M845	Vintage Red Matt	satin matt	low		$\checkmark$	✓
M850	Glaciar White Matt	satin matt	low		$\checkmark$	✓
M855	Elegant Greige Matt	satin matt	low		$\checkmark$	✓
M860	Safari Green Matt	satin matt	low		$\checkmark$	✓
M865	Black Evergreen Matt	satin matt	low		$\checkmark$	✓
M875	Adorable Pink Matt	satin matt	low		$\checkmark$	✓
M880	True Rose Matt	satin matt	low		$\checkmark$	✓
M885	Perfect Nude Matt	satin matt	low		$\checkmark$	✓
M890	White Sand Matt	satin matt	low		$\checkmark$	✓
M900	So Chic Teal Matt	satin matt	low		$\checkmark$	✓
M910	Historical Blue Matt	satin matt	low		✓	✓
M915	Royal Blue Matt	satin matt	low		✓	✓
M920	Forever Blue Matt	satin matt	low		✓	✓
M925	Summer Blue Matt	satin matt	low		<b>√</b>	<b>√</b>

## **GLAZE SPECIFICATION**

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Ref.	Colour Name	Glaze Definition	Glaze Variation	Long Term Crazing	Pools, Lakes Fountains	Exterior Facades
X010	Deep Blue Explosion	glossy translucent	high	yes	✓	<b>✓</b>
X011	Ocean Blue Explosion	glossy translucent	high	yes	✓	<b>✓</b>
X020	Mystery Teal Explosion	glossy translucent	high	yes	✓	<b>✓</b>
X021	Aqua Mist Explosion	glossy translucent	high	yes	✓	<b>✓</b>
X022	Petroleum Explosion	glossy translucent	high	yes	✓	<b>✓</b>
X023	Galaxy Explosion	glossy translucent	high	yes	✓	<b>√</b>
X031	Soft Emerald Explosion	glossy translucent	high	yes	✓	<b>√</b>
X032	Wisteria Blossom Explosion	glossy translucent	high	yes	✓	<b>√</b>
X033	Coralline Explosion	glossy translucent	high		✓	<b>√</b>
X042	Jungle Green Explosion	glossy translucent	high	yes	✓	<b>√</b>
X044	Metallic Green Explosion	glossy translucent	high	yes	✓	<b>√</b>
X050	Vibrant Bamboo Explosion	glossy translucent	high	yes	✓	<b>√</b>
X060	Don Pesto Explosion	glossy translucent	high	yes	✓	<b>√</b>
X061	El Guacamole Explosion	glossy translucent	high	yes	✓	<b>√</b>
X071	Hazelnut Explosion	glossy translucent	moderate	yes	✓	<b>√</b>
X072	Classic Concrete Explosion	glossy translucent	moderate	yes		
X074	Stylish Grey Explosion	glossy translucent	moderate	yes		
X075	Sophisticated Grey Explosion	glossy translucent	moderate	yes		
X076	Wabi-Sabi Explosion	glossy translucent	moderate	yes	<b>√</b>	<b>√</b>

## **SPECIAL FIRING**

Ref.	Colour Name	Glaze Definition	Glaze Variation	Long Term Crazing	Pools, Lakes Fountains	Exterior Facades
S001	Red Chili Pepper	glossy solid craquelé	moderate		<b>√</b>	<b>√</b>
S008	Acid Yellow	glossy solid craquelé	moderate		✓	<b>✓</b>
S010	Orange Caviar	glossy solid craquelé	moderate		✓	<b>✓</b>
S018	Fresh Wasabi	glossy solid craquelé	moderate		$\checkmark$	✓
S030	So Eggplant	glossy translucent	moderate		✓	✓
S032	Yaya Carrot	glossy translucent	low		✓	✓
S050	Red Tomato Delicious	glossy translucent	low		<b>√</b>	✓
S304	Du Vin Rouge	glossy solid	low		✓	✓
S320	Pretty Red	glossy solid	low		✓	✓
S340	Skinny Zucchini	glossy translucent craquelé	high			
S341	Caramel Spaghetti	glossy translucent craquelé	high			
S380	Red Cobra	reactive craquelé	moderate		✓	✓
S381	Orange Cobra	reactive craquelé	moderate		$\checkmark$	✓
S382	Yellow Cobra	reactive craquelé	moderate		✓	✓
S383	Funky Mint Cobra	glossy translucent craquelé	moderate			
S384	Spearmint Splash Cobra	glossy translucent craquelé	moderate			
S385	Violet Sunset Cobra	glossy translucent craquelé	moderate			
S390	Blue Gaudi	glossy translucent craquelé	high			
S391	Green Gaudi	glossy translucent craquelé	high			
S392	Lime Gaudi	glossy translucent craquelé	high			
S393	Atlantic Blue Gaudi	glossy translucent craquelé	high			
S394	Caribbean Green Gaudi	glossy translucent craquelé	high			
S395	Salted Caramel Gaudi	glossy translucent craquelé	high			
S396	Lemon Sorbet Gaudi	glossy translucent craquelé	high			
S397	Dame Blanche Gaudi	glossy translucent craquelé	high			

VINT			
VINIZ	7( - F	M = 12	 

Ref.	Colour Name	Glaze Definition	Glaze Variation	Long Term Crazing	Pools, Lakes Fountains	Exterior Facades
V006	Lava	metallic matt	low			
V009	Black Nickel	metallic glossy	low	yes	✓	<b>✓</b>
V012	Old Gold	metallic craquelé	moderate		$\checkmark$	✓
V018	Bronze Gold	metallic craquelé	high		$\checkmark$	✓
V109	Black Nickel Eruption	metallic glossy	low	yes	$\checkmark$	✓
V112	Old Gold Eruption	metallic craquelé	moderate		$\checkmark$	✓
V118	Bronze Gold Eruption	metallic craquelé	high		$\checkmark$	✓
V200	Perfect Pearl	metallic matt	moderate			
V210	Blush Copper	metallic matt	moderate			
V220	Olive Bronze	metallic matt	moderate			
V240	Pink Mica	metallic matt	moderate			

#### **Glaze Definition**

All our craquelé is deliberately induced, usually known as artistic craquelé.

#### **Glaze Variation**

Glaze and texture variation is rated as follows:

Low - tile can vary slightly

Moderate - tile can vary slightly to moderately

High - tile can vary significantly

Very High - tile can show a large variation

#### **Long Term Crazing**

According to Determination of Crazing Resistance test results, EN ISO 10545-11 / ASTM C 424-93.

#### Pools, Lakes and Fountains

According to Determination of Crazing Resistance test results, EN ISO 10545-11 / ASTM C 424-93; according to Determination of Chemical Resistance test results, EN ISO 10545-13 / ASTM C 650-04.

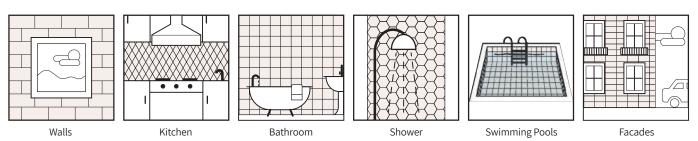
#### **Exterior Facades**

According to Determination of Frost Resistance test results, EN ISO 10545-12 (limit at - 20°C).

MATCHING GLAZES	Basic Colours	Matt Colours	Oxide Explosions	Special Firing	Vintage Metallics
Field Tiles	✓	<b>√</b>	✓	$\checkmark$	✓
Trims	✓	<b>√</b>	-	<b>√</b>	•
New Modern	√	✓	-	✓	•
Portuguese Heritage	√	<b>√</b>	-	<b>√</b>	•

V006 Lava, V109 Black Nickel Eruption, V112 Old Gold Eruption, V118 Bronze Gold Eruption do not apply.

### **TILES SUITABILITY**



Please note that these are only recommendations and in some cases the tiles may be suitable for installation in additional spaces. Contact us for more information.

Technical Features	Standards	Test Results	Compliance
Determination of water absorption	EN ISO 10545-3	14,4 %	YES
	ASTM C 373-88	15,9 %	YES
Determination of module of rupture	EN ISO 10545-4	R = 14,8 N/mm <sup>2</sup> S = 1066 N	YES
Determination of frost resistance	EN ISO 10545-12	Not affected	YES
Determination of chemical resistance	EN ISO 10545-13	Class A	YES
Household Chemicals Swimming Pool Salts Acids Alkali	ASTM C 650-04	Not affected	YES
Determination of resistance to staining	EN ISO 10545-14	Class 5	YES
Green Chromium Iodine Olive Oil	ASTM C 1378-04	Not affected (limit at -20°C)	YES

New Terracotta Handmade Glazed Tiles, Group III. Test report, CTCV - Centro Tecnológico da Cerâmica e do Vidro.

We have the ability to do PTV tests (Pendulum Test Values) as well as LRV tests (Light Reflectance Values).



#### Recycling

New Terracotta glazed tiles contain 25% to 28% recycled materials, depending on the product type.

proper installation and maintenance is critical.

New Terracotta Tile Collection is suitable for most interior and exterior applications, including residential and commercial floors, walls, counters, showers, bathrooms, swimming pools, spas and fountains.

Because the purchase of New Terracotta Tile for your home or commercial project represents an important investment,

## ? TILE UNDERSTANDING

It is important to understand that the differences in colour, shape, size, texture and moisture absorption are the unique characteristics that distinguish each of these tile products.

#### **Glazed Tile**

A coloured, liquid glaze is applied to the surface of a clay body.

The tile is fired in a kiln at very high temperatures of more than 1.050  $^{\circ}\text{C}$  .

The glazing process defines the colour and surface texture and produces a hard, non-porous, impermeable tile with a very low water absorption rate.

Glazed tiles are easier to clean and any liquid on its surface will drain faster.

#### Size and Length Variation

Our tiles shrink during the production process.

You can expect some variation, especially on longer tiles.

#### Lengthwise Bowing and Surface Undulation

Clay is an elastic material, therefore it will attempt to regain its original shape as it moves through the production process. For this reason, you can expect both an acceptable amount of lengthwise bowing and a surface undulation.

Undulation can occur anywhere on the surface and could include a slightly raised corner or edge.

#### Colour and Glaze Variation

Shade variation is inherent in all fired ceramic products and certain tiles will show greater variation within their dye lots.

We assign all our glazes with a low, moderate, high or very high rating. See our Glaze Guide for a complete description of glaze characteristics.

Glazing on relief tiles will vary in thickness and as a result the glazing may appear darker and lighter in different areas throughout the tile.

## A TILE PREPARATION

Meticulously plan your layout. The time you take for preparation and placement will greatly impact the finished result.

- Pre-sort your tile by colour and size so you can distribute the range of variation throughout the installation.
- Blending is recommended.
- Inspect each tile for cracks or other deformities that make its use inappropriate for the application intended.

## TILE GROUTING

We advise a grout joint (1 to 4 mm) which joins the tiles so that they touch one another with an irregular space left between tiles, created by the imperfection of the edges.

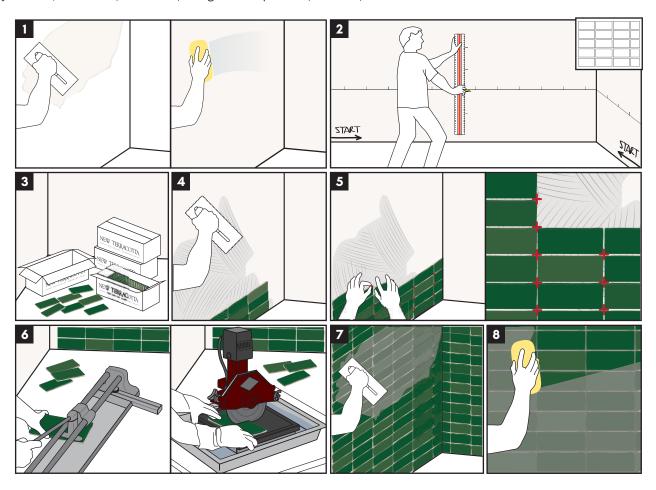
Grout joint width can be varied to adjust tile alignment with adjacent handmade tiles or other architectural elements.

Give design consideration to the grout colour as it relates to the colour of tile chosen. There may be a desire to accentuate the tile with a border of contrasting grout colour. To more closely connect each tile with each other, use a grout colour in a hue that approximates the colours found in the tile.

## TILE INSTALLATION

#### Install per industry standards for terracotta glazed tiles.

Proper substrate preparation and the right choice of adhesives and grouts for the type of tile and specific project conditions are critical for achieving a long-lasting installation. New Terracotta tiles can be installed with any conventional tiling method, using any mortars, adhesives (EN 1200 C2) and grout compounds (EN 13888) suitable for use with wall tiles.



- 1. Prepare the surface. Substrate must be clean, leveled and adequately set.
- 2. Determine the layout and mark the surface. For aesthetic and technical optimisation, define starting points and cuttings.
- 3. Distribute the tiles. Pre-sort your tile by colour and size so you can distribute the range of variation throughout the installation.
- **4.** Apply the proper tile adhesive. Use a large-toothed trowel to spread the adhesive.
- 5. Install the tiles. Lay down tiles by lining them up and pressing them firmly into the adhesive. Installation is easier if you use X-shaped tile spacers.
- **6.** Cut the tiles. If some tiles need to be trimmed, you can use either a snap tile cutter or a wet tile saw.
- 7. Grout the joints. Allow the adhesive to cure for about 24 hours and then fill in the joints with the selected grout, using a rubber grout float.
- 8. Clean the tiles after grouting. The excess grout must be cleaned immediately with a wet sponge, rinsing often.

## MAINTENANCE

New Terracotta Tile is a relatively maintenance-free product that requires little continuing care beyond regular cleaning. Continued beauty and performance of our tiles is assured by following these recommendations:

- For everyday cleaning, simply use a pH-balanced natural cleaner diluted in warm water.
- To clean stubborn spots or grout joins use a stiff natural bristle brush.
- · Always avoid the use of abrasive cleaning pads or products containing bleach, ammonia and paint thinner.
- Never scrub with rough materials, such as hard brushes or wire wool, which may scratch the surface.
- In cooking areas, around a stove, on counters and backsplashes, cooking oil splatters should be cleaned as soon as possible as oil may darken some tiles.





#### FREQUENTLY ASKED QUESTIONS

#### PRODUCT UNDERSTANDING

#### WHAT IS A BISQUE?

When you look at a glazed tile from the side you can see 2 layers. The body of the tile, or largest layer, is called the bisque. The top layer is called the glaze.

#### WHAT IS A CRAQUELÉ?

Some tiles are intentionally induced to craze to produce what is known as a craquelé finish. Craquelé glazed tiles should not be used on kitchen counter tops or surfaces subject to heavy uses.

#### IS CLAY A NATURAL MATERIAL?

Clay is a natural and biocompatible material that naturally embodies extraordinary thermal and structural performances.

#### WHY OXIDE EXPLOSIONS HAVE SUCH A VARIATION?

Oxide Explosions tiles vary in colour and surface quality due to variations in glaze thickness and temperature during the firing process. This natural variation is intrinsic to their beauty.

To avoid misconceptions, we require that all clients approve the full variation within each reference.

#### WHY IS THE NOMINAL SIZE BIGGER THAN THE REAL SIZE?

During the production process ceramic tile will shrink, on average by 5 to 10% in size, depending on the clay type.

#### WHAT ARE SHEETED TILES?

The majority of our geometric designs can be divided into repeating components. These components are known as standard sheets. They fit together easily, requiring minimal or no tile cutting.

#### BESPOKE & CUSTOMISATION

#### **CAN YOU REPRODUCE ANCIENT TILES?**

Yes, we are quite well known for that. Please send us more information.

#### **CAN I CUSTOMISE A PRODUCT?**

Yes, we can customise tiles and objects to best fit your style.

#### **CAN I USE MY OWN DESIGN?**

Yes, you absolutely can. There are additional development charges and set-up fees applied to bespoke orders.

#### **CAN I ORDER EDGE GLAZED TILES?**

Yes, you can glaze edges. The edge selection you make will depend on your installation layout.

#### PLACING AN ORDER

#### **CAN I BUY ONLINE?**

We are not prepared to sell directly through our website. For ordering tiles, custom requests, pricing, lead times or other needs please email or call us so one of our Design Consultants can offer personal assistance.

#### DO YOU SHIP INTERNATIONALLY?

We have successfully supplied tiles for projects all over the world. We are happy to provide a shipping quote for international orders.

#### FREQUENTLY ASKED QUESTIONS

#### **CAN I GET SAMPLES?**

Yes, we understand the importance of coordinating all the elements for your project and are happy to provide samples during your selection process.

Multiple samples can be ordered to give a sense of colour range. When you are ready to place an order you can also provide an approved colour control sample to the factory. Our team will use your sample as a guideline but please remember there will always be colour variation.

#### HOW SHOULD I DECIDE WHICH TYPE OF TILE TO USE?

The application environment and the traffic levels it will experience will determine the type of tile you should select. Please contact us and we will direct you to the product that best suits your needs.

#### ARE THERE ANY MINIMUM ORDER QUANTITIES? DO YOU CHARGE A SET-UP FEE FOR SMALLER ORDERS?

There is a 3 sqm minimum order per colour. Because each order is custom made, a set-up procedure is required.

#### SHOULD I ORDER EXTRA TILES?

Yes, we advise a 10% contingency on top of the minimum quantity needed. This overage allows for the possibility of breakage during installation, for greater range selection and extras in case of damage in the future. Always refer to your installer when determining quantities.

#### **CAN I RETURN MY TILES?**

Because we make our tile specially for you, returns are not accepted unless they are defective or damaged in shipping.

#### ONCE AN ORDER IS PLACED CAN I CHANGE IT?

Because each order is custom made, we cannot change it once it has gone into production. If you do have a change, please contact us immediately to see if we can help resolve the matter quickly.

#### WHAT WOULD BE THE MINIMUM LEAD TIME FOR EMERGENCY ORDERS?

If you need materials sooner for a rush order or job completion, please call and ask for a lead time specifically for you. Although we keep a limited quantity of our most popular products on hand, we operate on a first come first served policy without discrimination. When your order is placed check with us what is the estimated lead time.

#### INSTALLATION & MAINTENANCE

#### ARE ALL YOUR TILES SUITABLE FOR ALL PURPOSES?

No. Some glazes are recommended for walls only. Some glazes are not suitable for use in swimming pools. Please check for usage information in Glaze Guide.

#### **CAN I MIX DIFFERENT COLOURS AND SIZES?**

Many shapes and sizes can be used together. Please check Layouts information in Format Guide.

#### WILL SETTING TILES ON A DIAGONAL REQUIRE MORE MATERIAL?

Yes, typically more material is required when tile is set on a diagonal versus a straight-set. Please refer to your installer when determining how much material is needed.

#### WHAT SIZE DO YOU SUGGEST FOR GROUT SPACING?

New Terracotta tiles are sized to accommodate a 1 to 4 mm grout space, depending on the format. Many factors determine the size of a grout joint. It is important to discuss this with both your architect and installer and follow a jointing scheme.

#### DO I NEED TO SEAL THE GLAZED TILES?

In general, our tiles do not require sealing. However, tiles with craquelé glazes, in certain installations, should be sealed prior to grouting.

#### CAN I USE YOUR TILES AROUND THE FIREPLACE? ARE THEY HEAT-RESISTANT?

Our tiles are fired in kilns at very high temperatures. They can be used in fireplace installations and will not be damaged by heat.

#### CAN I USE YOUR TILES IN THE SHOWER?

Yes, our tiles are suitable for wet applications. Please note that in regularly wet areas, such as showers, it is common for some tiles to darken and lighten as they become wet and then dry.

#### WHAT TILES CAN I USE IN A POOL OR FOUNTAIN?

We have several glazes suitable for pools. Please check for usage information in Glaze Guide.

#### **CAN I USE YOUR TILES IN EXTERIOR APPLICATIONS?**

We have had our tiles installed outside on vertical surfaces for several years now with no issues. We do not recommend using our tile outside on horizontal surfaces. Please contact us and we will help determine the suitability of our tiles for your exterior installation.

#### IS TILING WITHOUT GROUTING POSSIBLE?

In practice, tiling without grouting is not recommended. Even for cut edge tiles, minimum 1 mm and better yet, 2 mm grouting is recommended.

#### WHAT IS THE BEST WAY TO CLEAN MY TILES?

For everyday cleaning, simply use a pH-balanced natural cleaner to care for your tiles. We do not recommend the use of any acids to clean our tiles and it is always wise to test any other cleaning methods in an inconspicuous area of your installation.

#### HOW SHOULD I CLEAN MY GOLD AND PLATINUM GLAZED TILES?

Exactly the same way as per the other glazed tiles. Always avoid the use of abrasive cleaning pads.

New Terracotta products are available worldwide through showrooms, retailers and direct from us.

#### PLACING ORDERS

Please order carefully.

- Check the product specification. Samples may be requested.
- Check the quantities. Ordering proper quantities is essential, as we cannot guarantee an exact match between batches. We recommend ordering 10% extra tiles.
- Check delivery requirements and delivery costs.
- Once production has begun, orders cannot be cancelled.
- There is a 3 sqm minimum order per colour glaze.

#### PRICES

- Prices are subject to change without notice according to cost variations.
- All product prices quoted exclude the cost of delivery and taxes.
- VAT rate is 23%.

#### DELIVERY

- We can arrange delivery anywhere in the world. Please contact us to request a freight quote.
- Tiles are packed in cardboard boxes, loaded on a protected and sealed pallet. Pallets are delivered on the pavement.
- Special packing for bespoke products must be quoted. Please contact us.
- Freight quotes are passed on at cost with a 15€ pallet charge per pallet used.
- Delivery terms are to be considered indicative. Eventual delivery delays do not entitle customers to claim indemnity.

#### PAYMENT TERMS

- A 50% deposit is required to confirm your order.
- The balance is due before order released. The goods will be released immediately after the payment has been received and cleared in full.

#### LEAD TIMES

Nearly every New Terracotta product is made to order. Our lead times vary from product to product and may also be extended at certain times of the year. Nevertheless, we try to follow these timelines:

- In-stock tiles: 1 week to ship.
- Made to order tiles: 4 to 5 weeks to ship.
- Custom designed tiles and pottery: quoted on an individual basis.
- Exceptionally large quantities: quoted on an individual basis.

All lead times will be quoted on purchase order. Please contact us for stock checks.

#### ■ TOLERANCE TO DIMENSIONS AND SHADES

- Tiles are referred to its nominal size, not its actual size. Due to the handcrafted nature of our products, dimensions are approximate and may be subject to a degree of inaccuracy.
- The number of tiles supplied per square meter is approximate and depends upon the suggested grout joint.
- A possible variation in shades is considered as a particularity of such products. Tiles may exhibit variations from samples and within a shipped lot.

#### **TERMS & CONDITIONS**

#### CUSTOM PROJECTS

Please inquire us about custom developments.

- Custom projects are priced accordingly.
- Custom sizes are available for an additional charge.
- Custom glazes are subject to Run of Kiln, which may be up to 10% over original quantity.

#### RETURNS

Please order carefully as we cannot accept returns. Please check your products carefully on delivery.

- Any problems with quality, quantity and kind of material supplied must be reported to NEW TERRACOTTA within 7 working days of receipt of the order.
- In case of claim the buyer should put the disputed material at NEW TERRACOTTA's disposal for any defect checking. No claim will be accepted once the material has been installed.
- Damage caused by inappropriate installation, accident, misuse or improper maintenance is not covered by NEW TERRACOT-TA products warranty.
- Variations in colour, shade, tonality, texture and crazing are inherent characteristics of NEW TERRACOTTA tiles and are not defects.
- Variations in facial dimensions and thickness will be allowed as per handcrafted products standards.
- Although NEW TERRACOTTA provides Installation and Maintenance guidelines, its liability is strictly limited to the supply of products.



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Proud of being 100% Handmade in Portugal







