

5<sup>th</sup> Edition 2022

# Natural Cotto Spec

NEW TERRACOTTA  
— PORTUGUESE HANDMADE —

# FIELD TILES



SQUARE  
38 x 38 x 2



SQUARE  
29 x 29 x 2



SQUARE  
24 x 24 x 2



SQUARE  
20 x 20 x 2



SQUARE  
15 x 15 x 1,5



SQUARE  
11 x 11 x 1



RECTANGLE  
38 x 18 x 2



RECTANGLE  
29 x 14 x 2



RECTANGLE  
24 x 11 x 2



SQUARE  
10 x 10 x 1



SQUARE  
7 x 7 x 1



LONG  
55 x 13 x 2



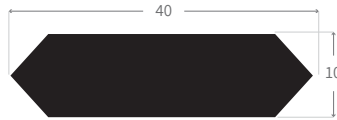
LONG  
29 x 6 x 2



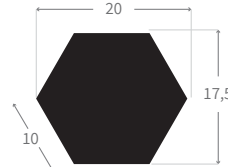
LONG  
24 x 5 x 2



TRAP M  
44 x 14 x 2



TRAP S  
40 x 10 x 2



HEXA  
side 10 x 2



CHEVRON L | R  
48 x 10 x 2

# BRICKS



24 x 4 x 2



24 x 5 x 2



24 x 6,5 x 2 cut



24 x 5 x 5



24 x 5 x 11



24 x 6,5 x 4 cut

# SPECIAL TILES



FULL BULLNOSE CORNER  
40 x 40 x 2



RADIUS BULLNOSE  
40 x 40 x 2



RADIUS BULLNOSE  
30 x 40 x 2



SKIRTING - CUT EDGE  
40 x 10 x 2



SKIRTING - CUT EDGE  
30 x 7 x 2



SKIRTING - BULLNOSE EDGE  
30 x 9 x 2

**NOTES**  
Bullnose available on long, short and adjacent edges.  
Drawings not to scale. Measurements denoted L x H x W in cm.  
Tiles are handmade, size and shape variation can be expected.

## TILES PER SQM

FIELD TILES			
in cm	number of tiles per sqm	in cm	number of tiles per sqm
<b>Square</b>		<b>Long</b>	
38 x 38 x 2	7	55 x 13 x 2	14
29 x 29 x 2	12	29 x 6 x 2	54
24 x 24 x 2	17	24 x 5 x 2	83
20 x 20 x 2	25	<b>Hexa</b> side 10 x 2	33
15 x 15 x 1,5	45		
11 x 11 x 1	81		
10 x 10 x 1	100		
7 x 7 x 1	198	<b>Trap</b> M 44 x 14 x 2 S 40 x 10 x 2	17
<b>Rectangle</b>			25
38 x 18 x 2	14	<b>Chevron L   R</b> 48 x 10 x 2	26
29 x 14 x 2	24		
24 x 11 x 2	38		

BRICKS			
in cm	number of tiles per sqm	in cm	number of tiles per sqm
24 x 4 x 2	95	<b>Cut</b> 24 x 6,5 x 2 cut 24 x 6,5 x 4 cut	60
24 x 4 x 5	70		
24 x 5 x 5	70		
24 x 5 x 11	70		

SPECIAL TILES			
in cm	number of tiles per linear m	in cm	number of tiles per linear m
<b>Step &amp; Pool Edge</b>		<b>Skirting</b>	
Full Bullnose Corner 40 x 40 x 2	—	Cut Edge 40 x 10 x 2	2,5
Radius Bullnose 40 x 40 x 2	2,5	Cut Edge 30 x 7 x 2	3,3
Radius Bullnose 30 x 40 x 2	3,3	Bullnose Edge 30 x 9 x 2	3,3

### 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 join (our standing grouting space is 4 to 6 mm).

# TERRA COLOURS



N002

Terra Sand



N004

Terra Firing



N008

Terra Brown

## TERRA COLOURS

Ref.	Colour Name	Glaze Definition	Shade Variation	Long Term Crazing	Pre-Grout Seal	Shower, Saunas Steam Rooms	Pools, Lakes Fountains	Exterior Facades
N002	Terra Sand	<i>bisque</i>	<i>high</i>		<i>yes</i>			✓
N004	Terra Firing	<i>bisque</i>	<i>very high</i>		<i>yes</i>			✓
N008	Terra Brown	<i>bisque</i>	<i>high</i>		<i>yes</i>			✓

### Colour Shade Variation

Variation in colour and shade texture is an inherent characteristic of any handmade wood fired cotto. The distinct terracotta colour comes from the iron content in clay reacting with oxygen during firing.

#### Moderate > Tile can vary slightly to moderately

This cotto has clear and noticeable variation in tone and texture.

#### High > Tile can vary significantly.

This cotto has significant changes in tone and texture.

It is recommended that the range be viewed before selection.

#### Very High > Tile can show a dramatic and random variation.

This random cotto expression varies greatly from red tones to pale orange to darker browns.

It is recommended that the range be viewed before selection.

# PHYSICAL & CHEMICAL CHARACTERISTICS

## COTTO TILES TECHNICAL FEATURES

Property	Standard	Clay Colour	Test Results	Compliance
Determination of water absorption	EN ISO 10545-3	Terra Firing	21%	yes
		Terra Sand	25%	yes
Determination of module of rupture	EN ISO 10545-4	Terra Firing	R = 6 N/mm <sup>2</sup> S = 1680 N	yes
		Terra Sand	R = 6 N/mm <sup>2</sup> S = 1590 N	yes
Determination of resistance to deep abrasion	EN ISO 10545-6	Terra Firing	2137 mm <sup>3</sup>	yes
		Terra Sand	2390 mm <sup>3</sup>	yes
Determination of slip resistance (Pendulum)	ENV 12633	Terra Firing	83 USRV	yes
		Terra Sand	90 USRV	yes

## COTTO BRICKS TECHNICAL FEATURES

Property	Standard	Clay Colour	Test Results	Compliance
Determination of water absorption	EN ISO 10545-3	Terra Firing	19%	yes
		Terra Sand	22%	yes
Determination of compressive strength	EN 772-1	Terra Firing	30,6 N/mm <sup>2</sup>	yes
		Terra Sand	19,7 N/mm <sup>2</sup>	yes
Determination of frost resistance	UNE 67-028-97	Terra Firing	not affected (limit at -5°C)	yes
		Terra Sand	not affected (limit at -5°C)	yes

New Terracotta Handmade Unglazed Cotto Tiles, Group III.  
 Test report November 2010, ITC - Instituto de Tecnología Cerámica

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AZULEJARIA  
CERÂMICA DE CONSTRUÇÃO

D.L. nº 110/2002, de 16 de Abril  
PORTUGAL

Proud of being 100%  
Handmade in Portugal

CENTRO 2020

PORTUGAL 2020

