

NEW TERRACOTTA

CEMENT TILES SPEC GUIDE

Technical & Commercial Support

2nd Edition 2020

NWT Cement Tiles are, as in the past, hand-produced one by one. Made from an ingenious combination of marble powder, Portland cement, water, sand and natural mineral pigments, these tiles are environmentally friendly and sustainable, just like many centuries ago. No heating is involved during the production as the tiles are not kiln-fired, but left to dry in fresh air for 21 to 28 days.

NWT Cement Tiles are characterized by its particular colour shading, matte finish and smooth texture and, of course, countless designs.

20 Formats | 52 Colours | 265 Designs

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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 NWT Cement 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 NWT Cement Tiles.



We are NWT CEMENT TILES

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

The Essence

NWT Cement Tiles is a profoundly Mediterranean project. The premise is simple: to merge the ancient techniques with contemporary aesthetics, offering a new dimension of the tile.



Our Values

At NWT Cement Tiles 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.



Honour Origins.

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



FIELD TILES



SQUARE
25 x 25 x 1,8



SQUARE
20 x 20 x 1,5



SQUARE
15 x 15 x 1,5



SQUARE
14 x 14 x 1,5



SQUARE
10 x 10 x 1,5



SQUARE
7 x 7 x 1,5



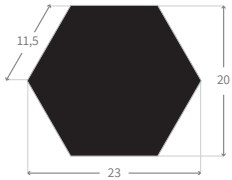
RECTANGLE
30 x 15 x 1,5



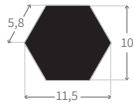
RECTANGLE
25 x 10 x 1,5



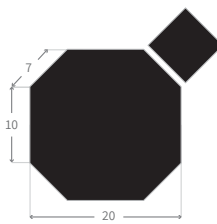
RECTANGLE
20 x 10 x 1,5



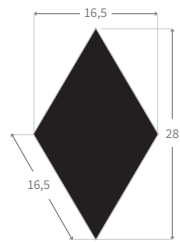
HEXA M
23 x 20 x 1,5



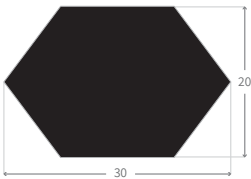
HEXA S
11,5 x 10 x 1,5



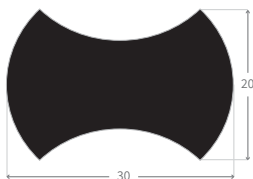
OCTA
20 x 20 x 1,5



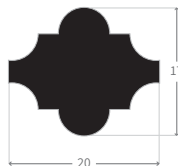
LOSA
16,5 x 28 x 1,6



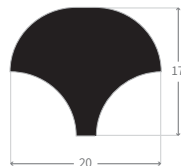
TRAP
30 x 20 x 1,6



ROUND BITE
30 x 20 x 1,5



ARAB
20 x 17 x 1,5



FISH SCALE
20 x 17 x 1,5

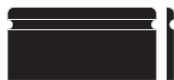
SKIRTINGS



RADIUS BULLNOSE M
20 x 20 x 1,5



RADIUS BULLNOSE S
20 x 10 x 1,5



MOULDED BULLNOSE
20 x 10 x 1,5

NOTES
Drawings not to scale.
Measurements denoted in cm.

FIELD TILES			
in cm	number of tiles per sqm	in cm	number of tiles per sqm
Square 25 x 25 x 1,8 20 x 20 x 1,5 15 x 15 x 1,5 14 x 14 x 1,5 10 x 10 x 1,5 7 x 7 x 1,5	16 25 45 52 100 205	Octa 20 x 20 x 1,5 7 x 7 x 1,5	25 25
		Trap 30 x 20 x 1,6	21
		Losa 16,5 x 28 x 1,6	44
		Round Bite 30 x 20 x 1,5	25
		Fish Scale 20 x 17 x 1,5	50
		Arab 20 x 17 x 1,5	50
Rectangle 30 x 15 x 1,5 25 x 10 x 1,5 20 x 10 x 1,5	23 40 50		
Hexa M 23 x 20 x 1,5 S 11,5 x 10 x 1,5	29 115		

SKIRTINGS	
in cm	number of tiles per Lm
Radius Bullnose M 20 x 20 x 1,5	5
Radius Bullnose S 20 x 10 x 1,5	5
Moulded Bullnose 20 x 10 x 1,5	5



C001 Pure White



C050 Studio White



C003 So Mascarpone



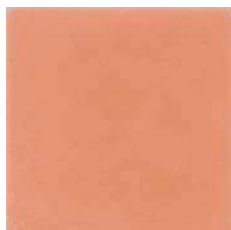
C052 Mocassin Must



C024 Bloody Wine



C023 Super Goji



C022 Coral Curry



C021 Orange Spice



C034 Coffee Delight



C002 Dark Chocolate



C029 Vintage Violet



C033 Antique Rose



C027 Pink Crush



C026 Delicate Pink



C025 Just Rose



C020 Peachy Pink



C028 Innocent Mauve



C031 Lavender Breeze



C030 Rosy Quartz



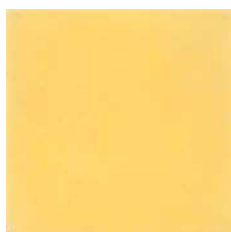
C004 Chocolate Mousse



C015 Lemon Ice



C016 Delicate Peach



C017 Mellow Yellow



C018 Sunshine Yellow

There may be some variation in the colours of the actual product.
Tiles are handmade, shade variation can be expected.



C037 Bahamas Teal



C007 Scuba Dive



C006 Bora Bora



C005 Paradise Soul



C044 Royal Blue



C038 Blue Festival



C036 Blue Sky



C035 Crystal Blue



C039 Chic Jeans



C042 French Blue



C043 Blue Clouds



C047 Elephant Grey



C048 Smoke Grey



C054 Carbon Grey



C055 Charcoal Grey



C049 Black Shadow



C008 Elegant Sage



C045 Iceberg Mint



C040 Silver Note



C041 Mineral White



C053 Forest Green



C014 Lucky Green



C010 Green Martini



C011 Green Citrino

There may be some variation in the colours of the actual product.
Tiles are handmade, shade variation can be expected.



C046 Eucalyptus Mask



C009 Central Park



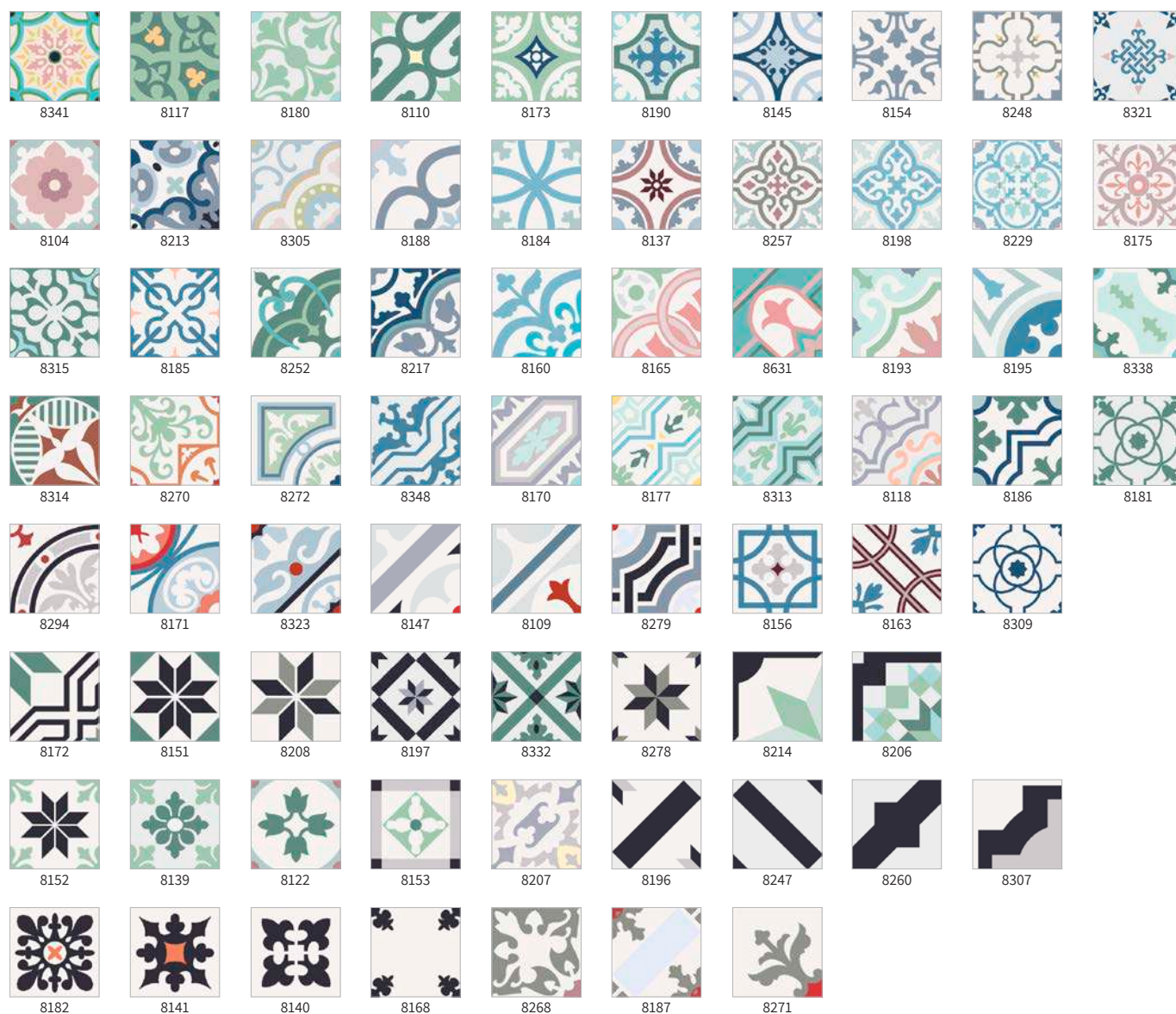
C012 Olive Leaf



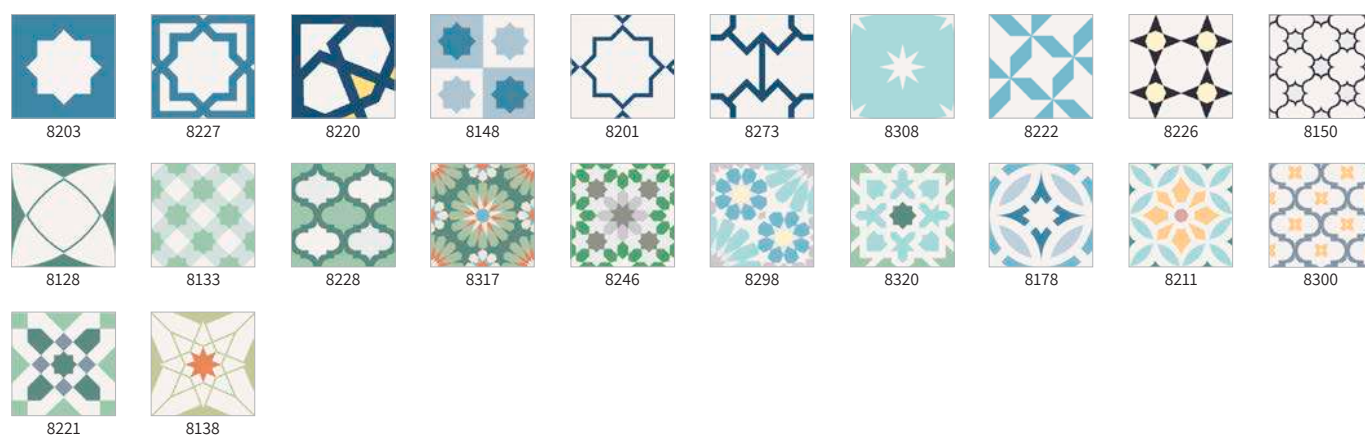
C013 Safari Green

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Tiles are handmade, shade variation can be expected.

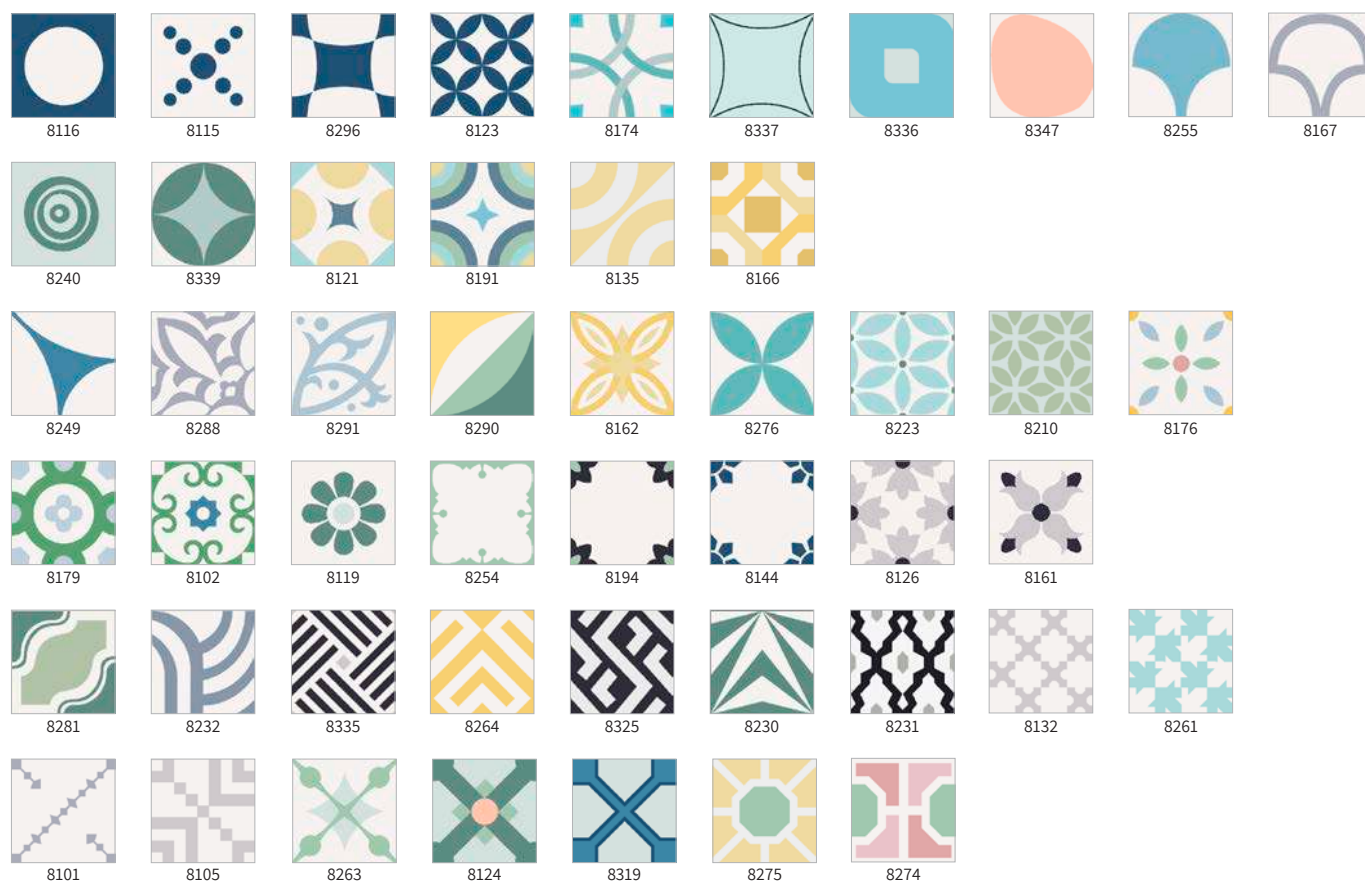
CLASSIC PATTERNS



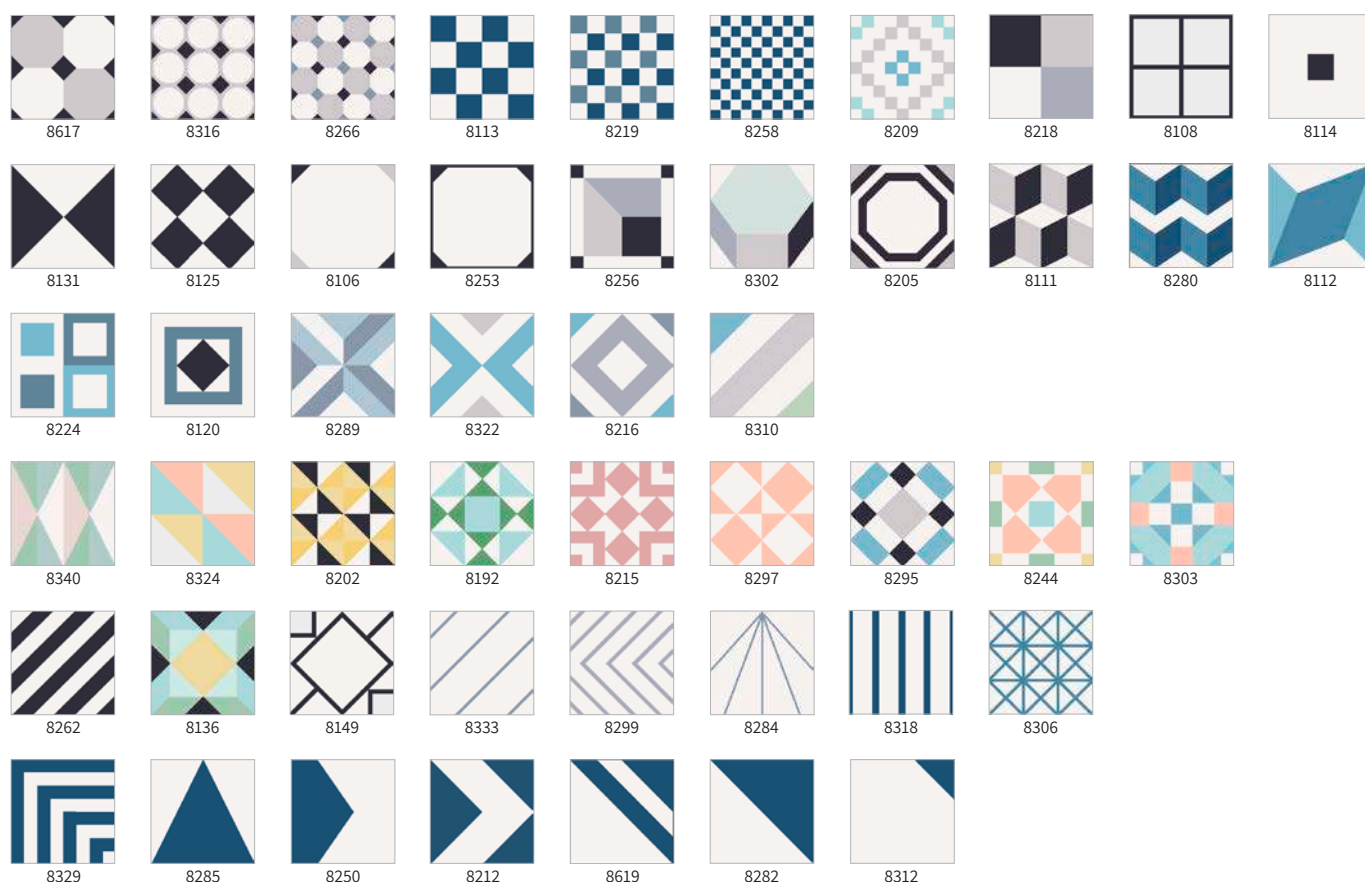
MOORISH PATTERNS



CONTEMPORARY PATTERNS



GEOMETRIC PATTERNS





8055



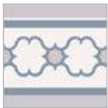
8054



8022



8010



8036



8063



8062



8005



8059



8013



8012



8060



8058



8007



8002



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8016



8057



8038



8024



8023



8031



8014



8008



8011

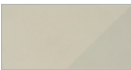




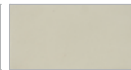

























8047



8001

SMINK THINGS

					 Going Overground 30x15cm
4000	4001 A	4001 B	4001 C	C047	C050	
					 Going Overground 20x10cm
4005	4006 A	4006 B	4006 C	C003		
					 After Lowry 20x20cm
4010 A	4010 B	4011	4012	C050		
					 Recubed 20x20cm
4015 A	4015 B	4016 A	4016 B	C041		
					 Quarter Circle 20x20cm
4020 A	4020 B	4020 C	4020 D	C050		
					 Squared 20x20cm
4025 A	4025 B	C050				



8611



8604



8630



8606



8602



8605



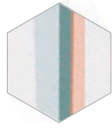
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8608



8601



8637



8614



8610



8600



8634



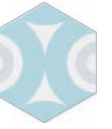
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8613



8615



8616



8623



8627



8622



8628



8629



8624



8626



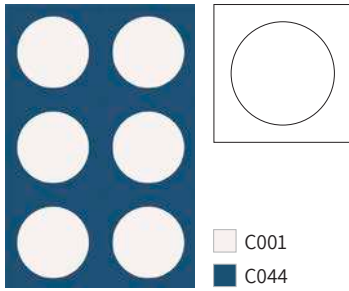
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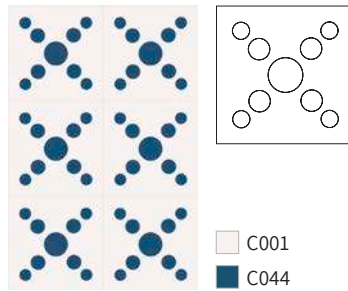
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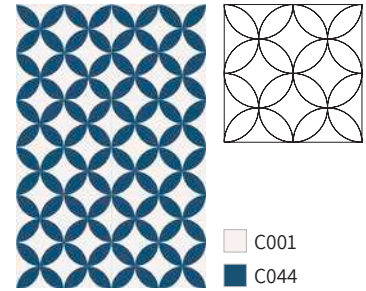
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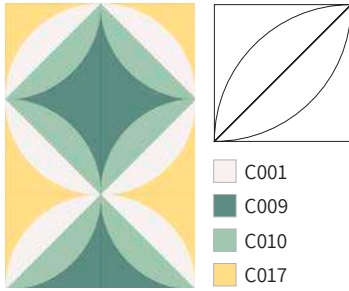
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Contemporary



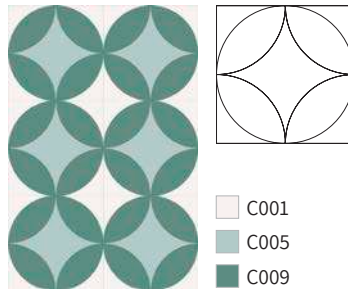
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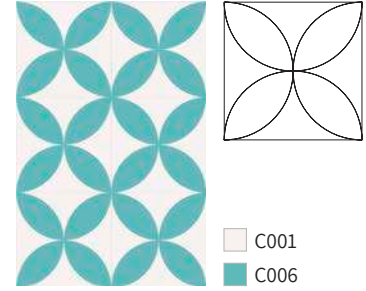
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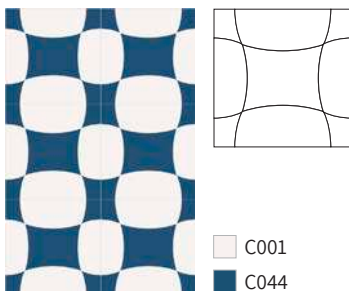
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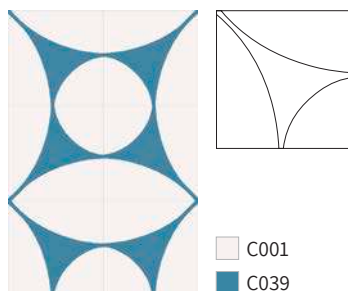
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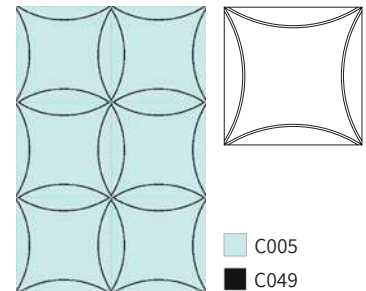
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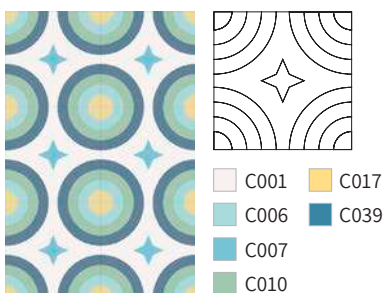
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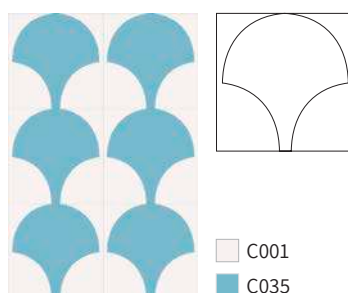
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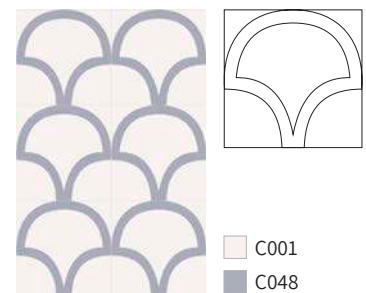
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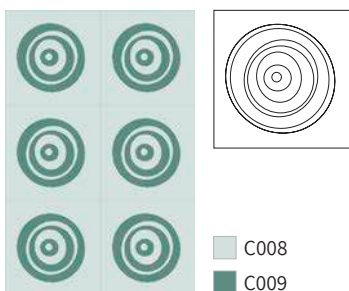
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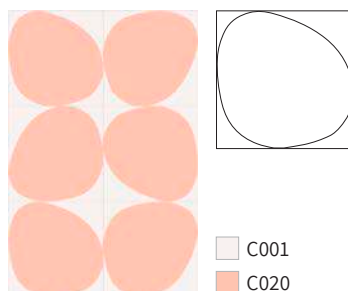
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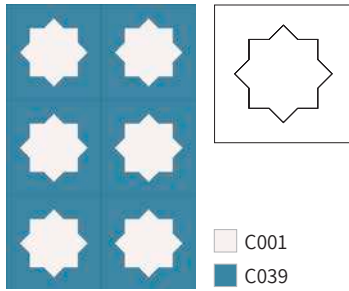


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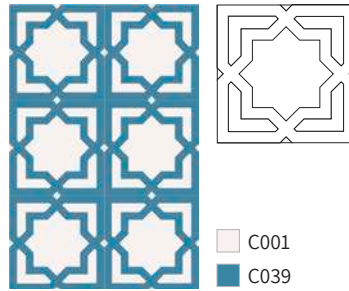


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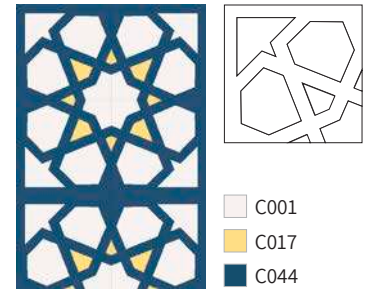
There may be some variation in the colours of the actual product.
Drawings not to scale.
Tiles are handmade, shade variation can be expected.



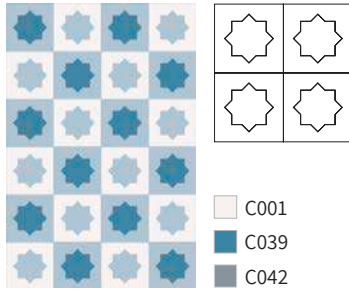
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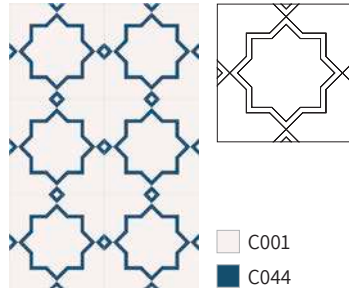
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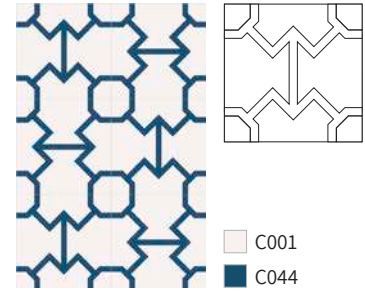
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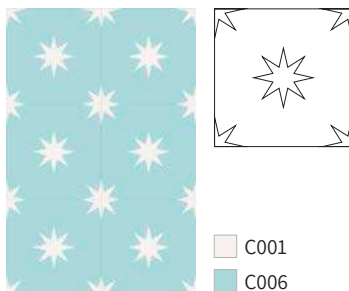
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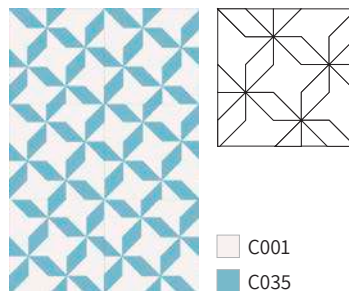
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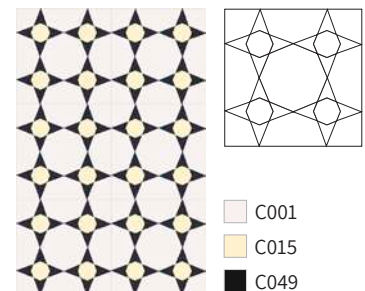
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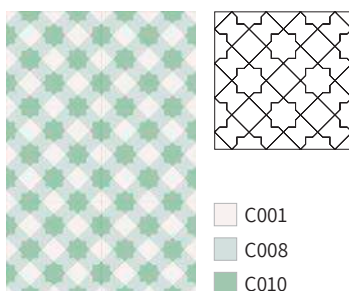
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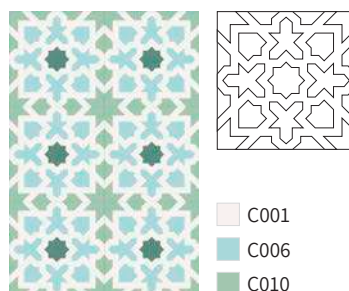
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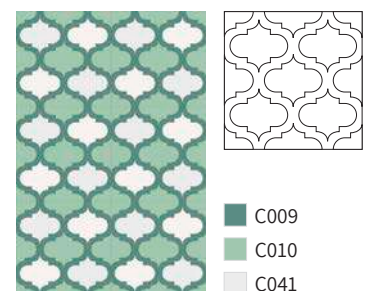
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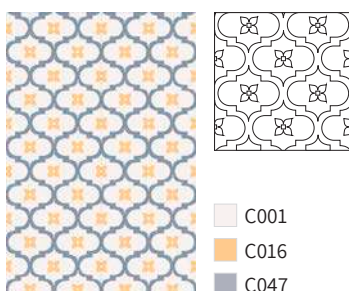
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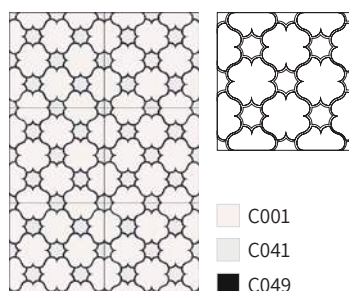
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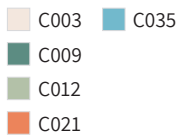
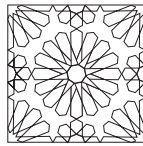


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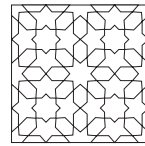
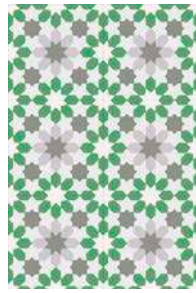
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Moorish

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Drawings not to scale.
Tiles are handmade, shade variation can be expected.



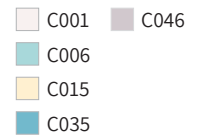
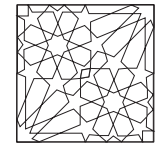
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Moorish



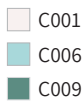
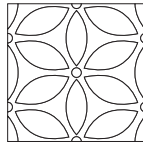
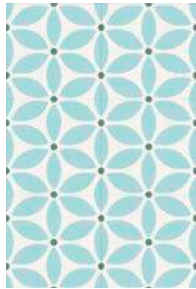
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Moorish



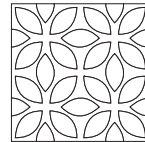
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Moorish



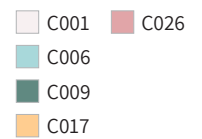
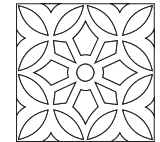
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Contemporary



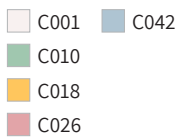
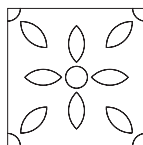
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Contemporary



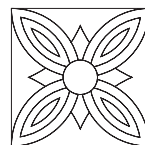
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Moorish



8176

Contemporary



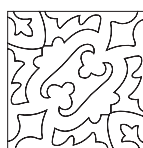
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Contemporary



8291

Contemporary



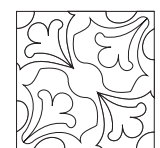
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Classic



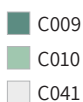
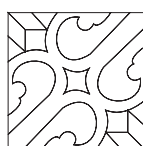
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Contemporary



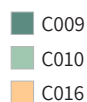
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Classic



8110

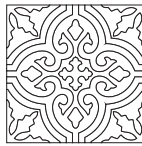
Classic



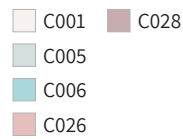
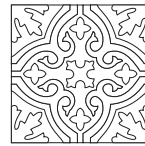
8117

Classic

There may be some variation in the colours of the actual product.
Drawings not to scale.
Tiles are handmade, shade variation can be expected.



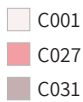
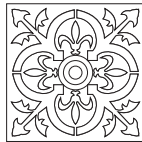
8257
Classic



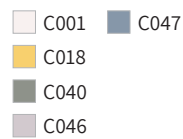
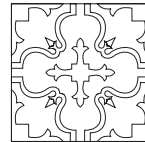
8198
Classic



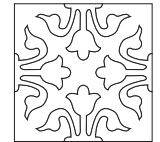
8229
Classic



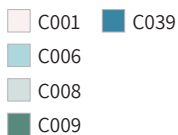
8175
Classic



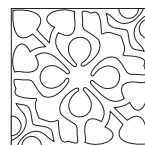
8248
Classic



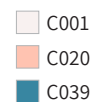
8154
Classic



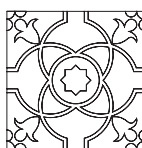
8190
Classic



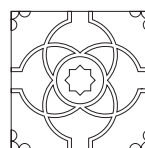
8315
Classic



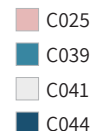
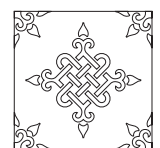
8185
Classic



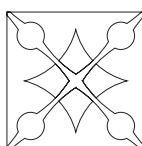
8181
Classic



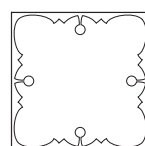
8309
Classic



8321
Classic

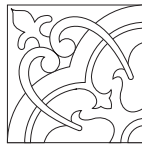


8263
Contemporary



8254
Contemporary

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Drawings not to scale.
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C001
C007
C009
C010

8252
Classic



C001
C007
C044
C047

8217
Classic



C001
C035
C037

8160
Classic



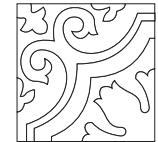
C001 C032
C008
C010
C026

8165
Classic



C001 C026
C007
C009
C025

8631
Classic



C001 C047
C005
C010
C026

8193
Classic



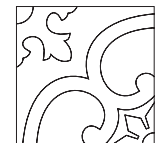
C001 C047
C005 C049
C043
C044

8213
Classic



C011
C030
C041
C043

8305
Classic



C001
C028
C043
C047

8188
Classic



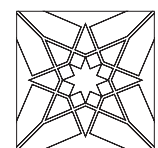
C001
C004
C009

8314
Classic



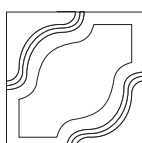
C001
C010
C021
C023

8270
Classic



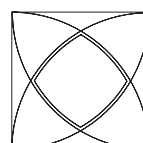
C001
C022
C010

8138
Moorish



C001
C009
C010

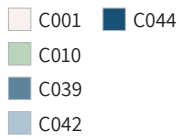
8281
Contemporary



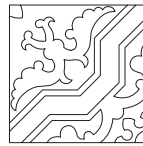
C001
C009

8128
Moorish

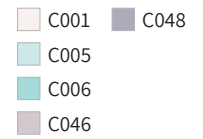
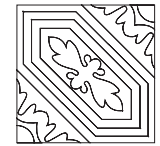
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Drawings not to scale.
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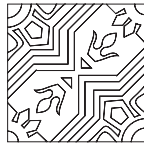
8272
Classic



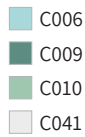
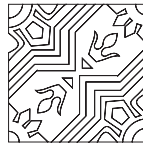
8348
Classic



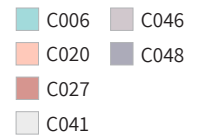
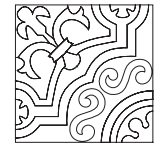
8170
Classic



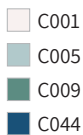
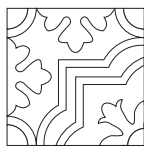
8177
Classic



8313
Classic



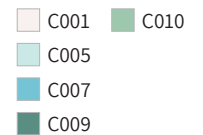
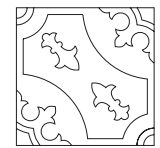
8118
Classic



8186
Classic



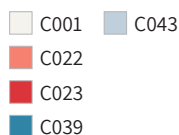
8195
Classic



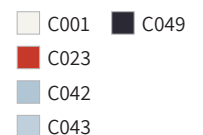
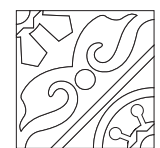
8338
Classic



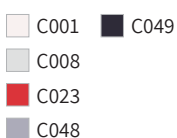
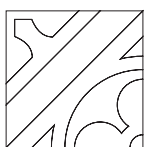
8294
Classic



8171
Classic



8323
Classic

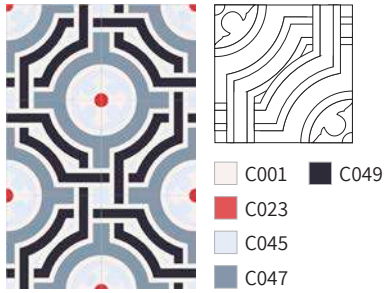


8147
Classic

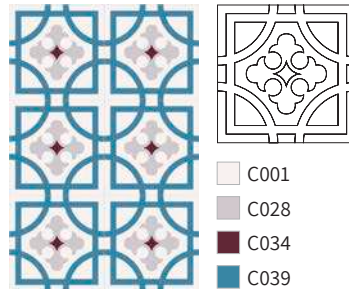


8109
Classic

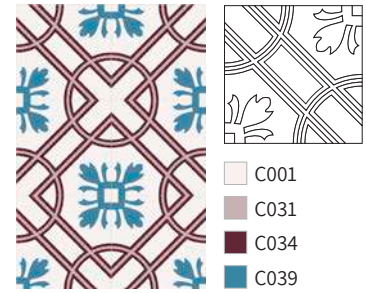
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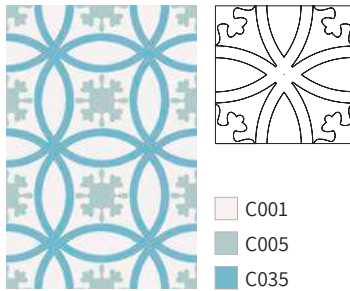
8279
Classic



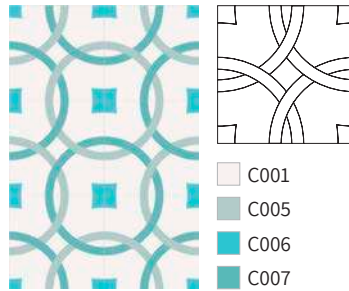
8156
Classic



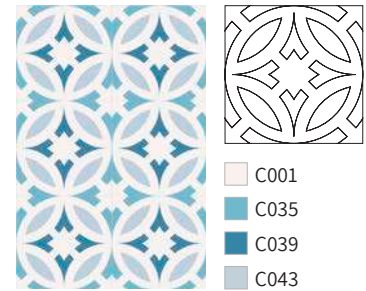
8163
Classic



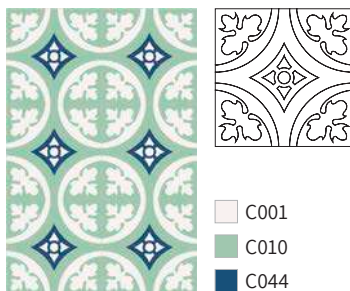
8184
Classic



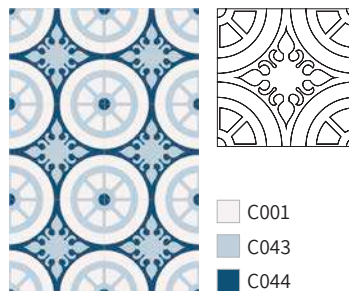
8174
Contemporary



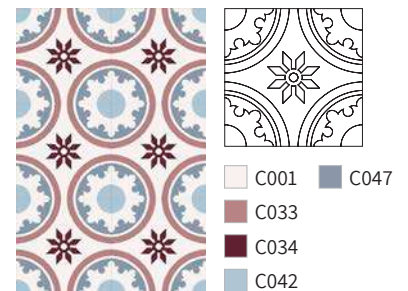
8178
Moorish



8173
Classic



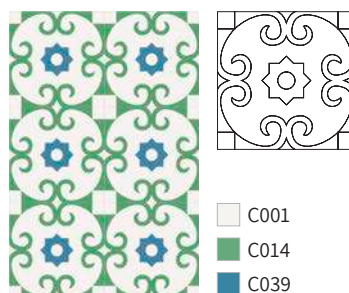
8145
Classic



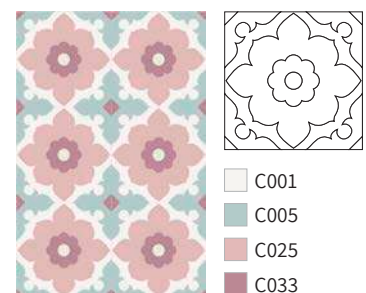
8137
Classic



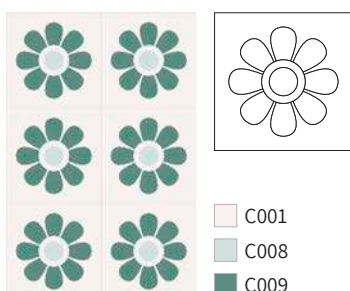
8341
Classic



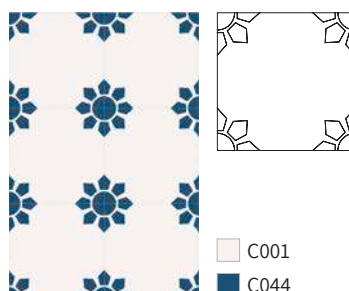
8102
Contemporary



8104
Classic

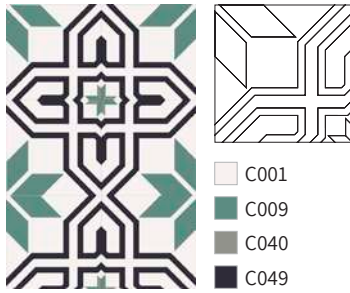


8119
Contemporary

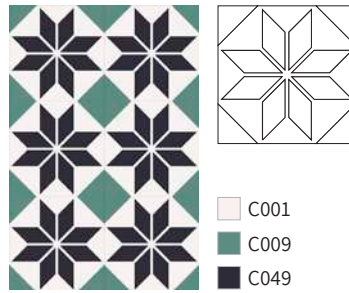


8144
Contemporary

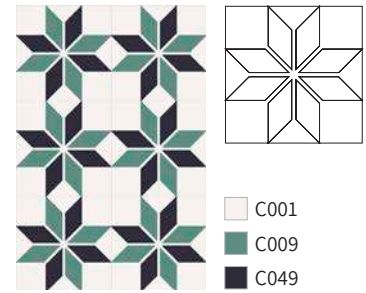
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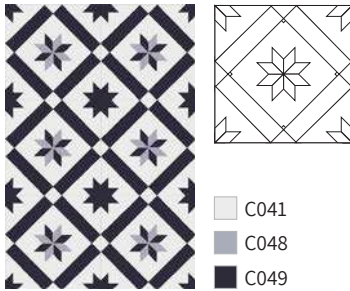
8172
Classic



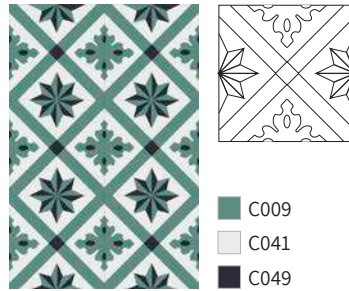
8151
Classic



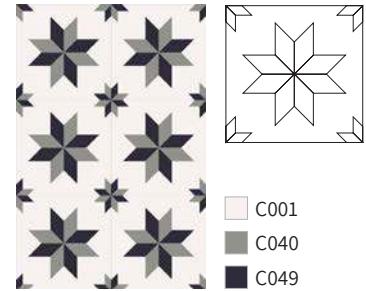
8208
Classic



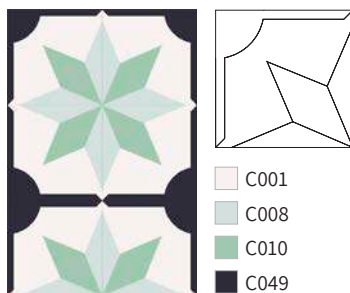
8197
Classic



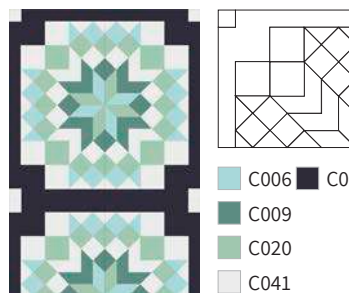
8332
Classic



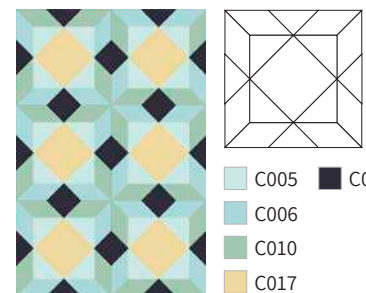
8278
Classic



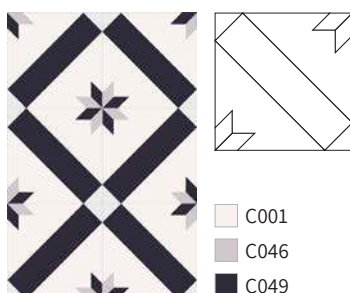
8214
Classic



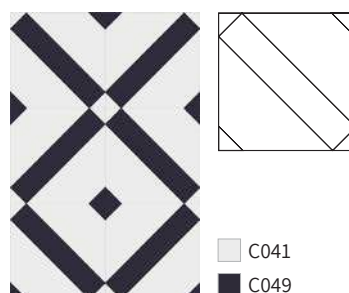
8206
Classic



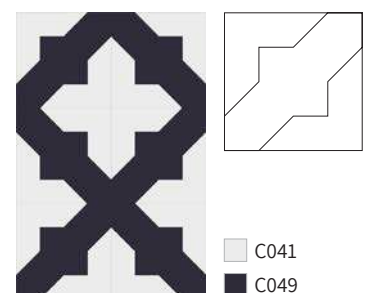
8136
Geometric



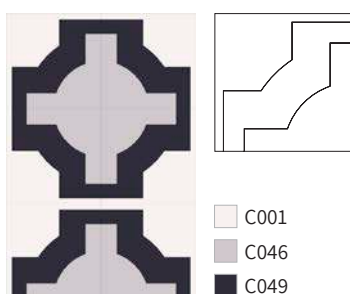
8196
Classic



8247
Classic

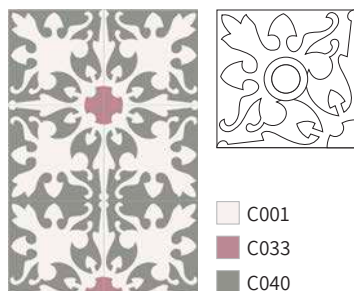


8260
Classic

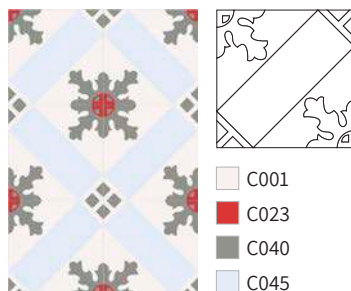


8307
Classic

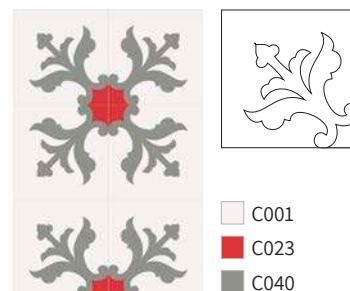
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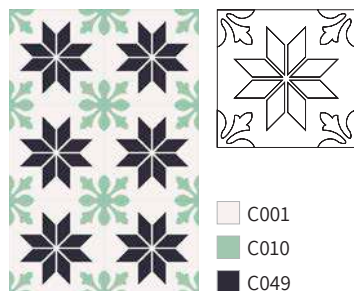
8268
Classic



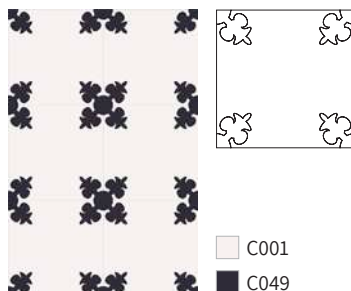
8187
Classic



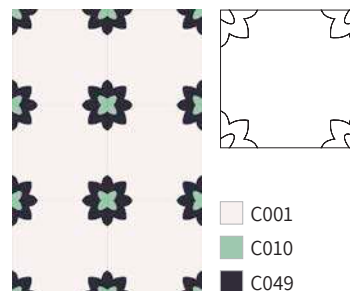
8271
Classic



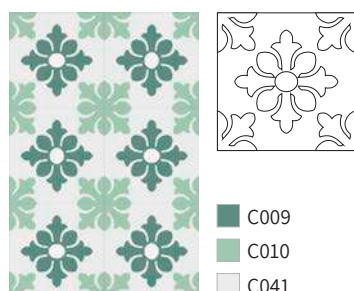
8152
Classic



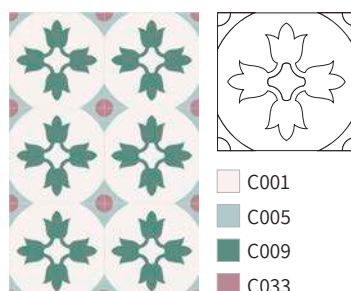
8168
Classic



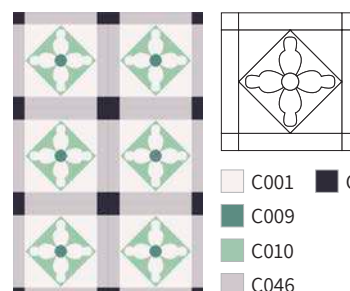
8194
Contemporary



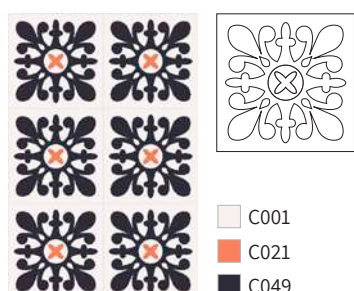
8139
Classic



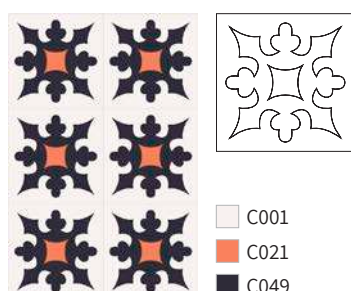
8122
Classic



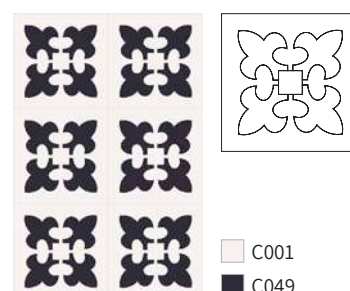
8153
Classic



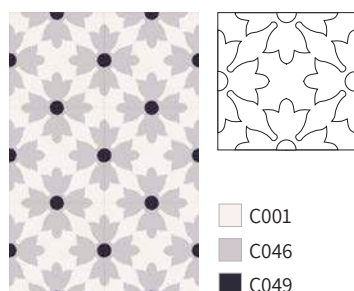
8182
Classic



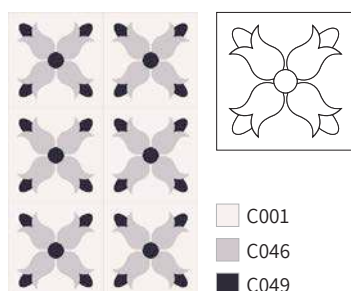
8141
Classic



8140
Classic

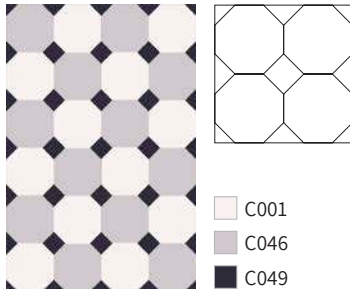


8126
Contemporary

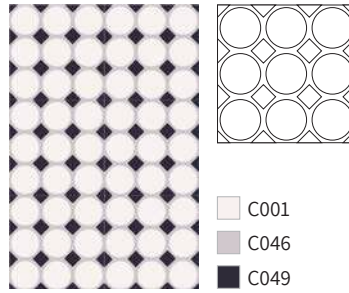


8161
Contemporary

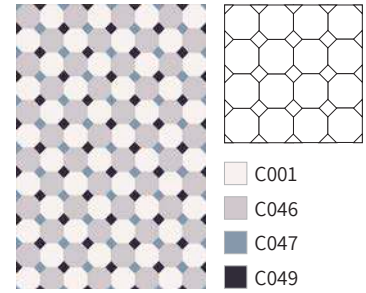
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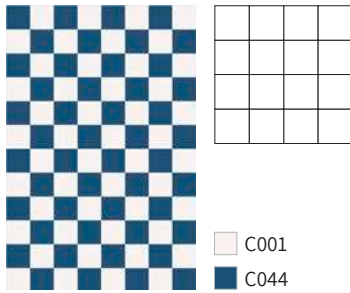
8617
Geometric



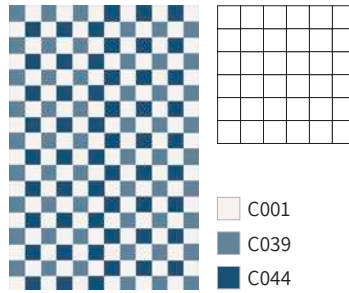
8316
Geometric



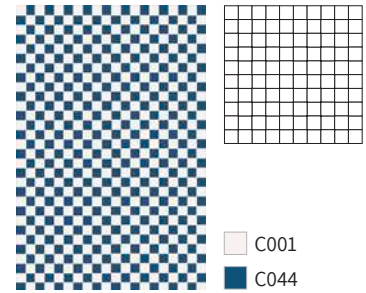
8266
Geometric



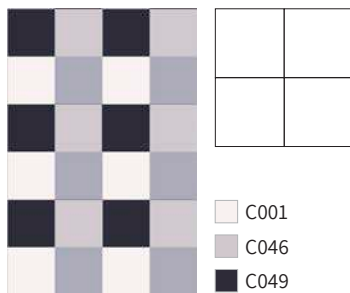
8113
Geometric



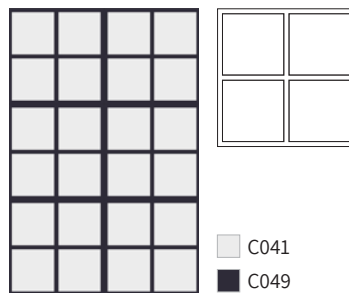
8219
Geometric



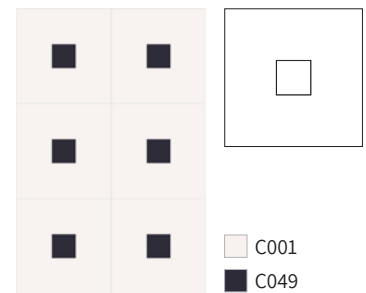
8258
Geometric



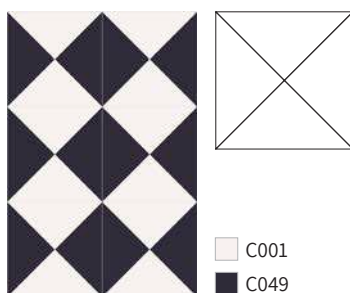
8218
Geometric



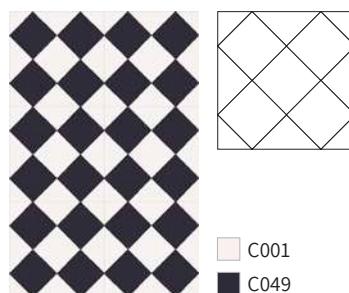
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Geometric



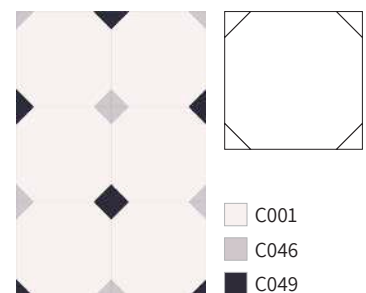
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Geometric



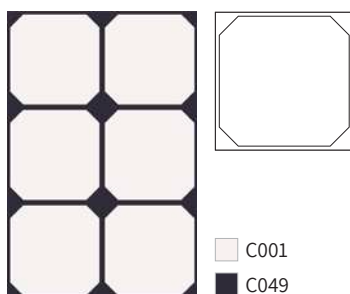
8131
Geometric



8125
Geometric

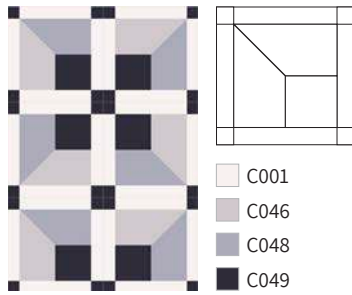


8106
Geometric

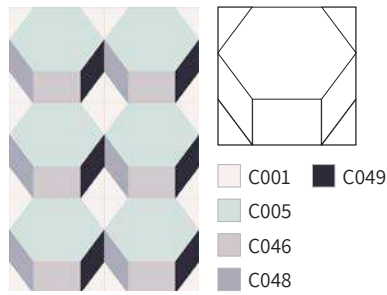


8253
Geometric

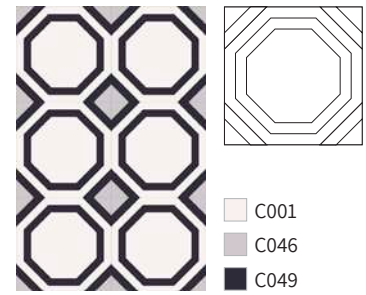
There may be some variation in the colours of the actual product.
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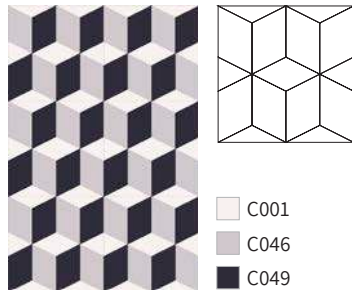
8256
Geometric



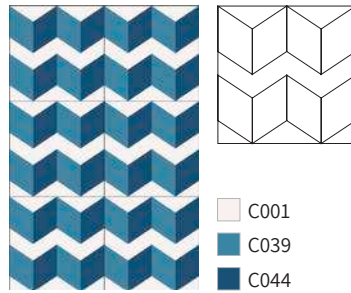
8302
Geometric



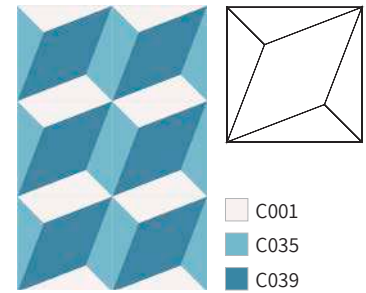
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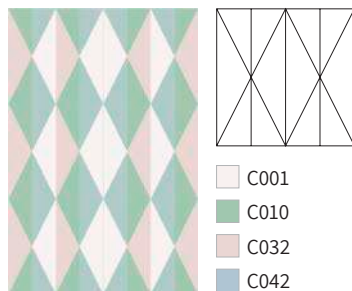
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Geometric



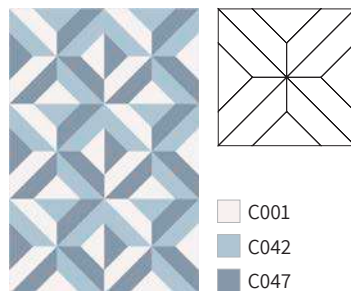
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Geometric



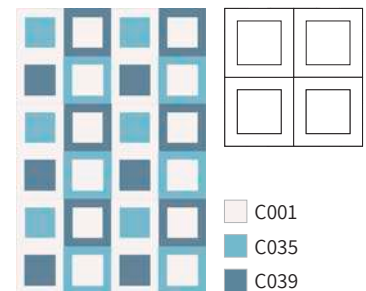
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Geometric



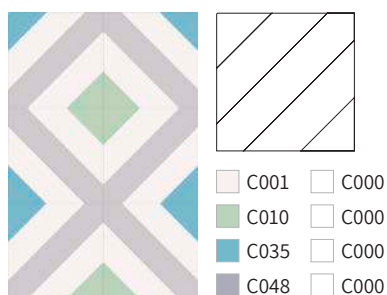
8340
Geometric



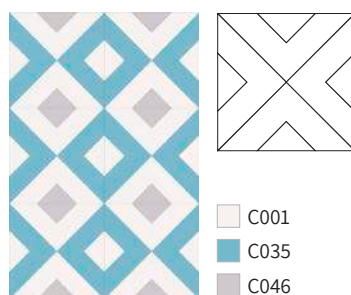
8289
Geometric



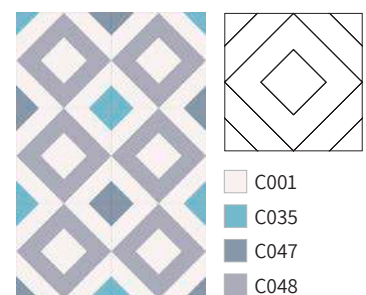
8224
Geometric



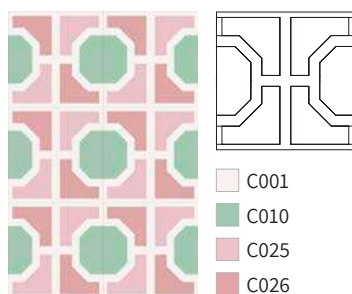
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Geometric



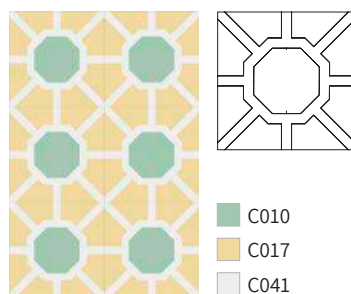
8322
Geometric



8216
Geometric

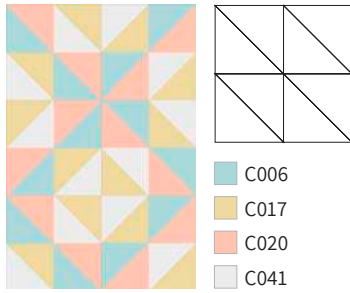


8274
Contemporary

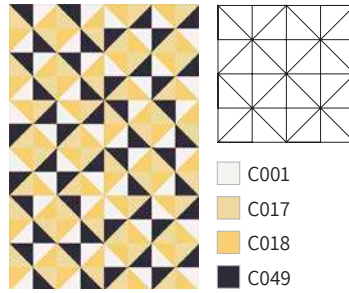


8275
Contemporary

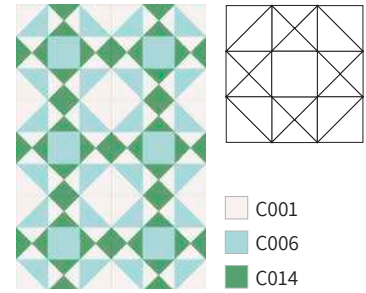
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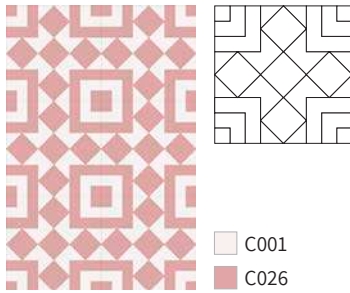
8324
Geometric



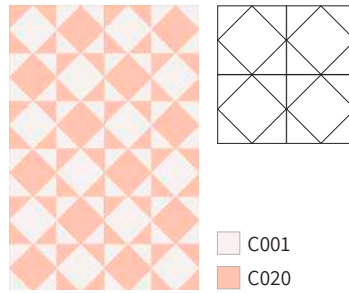
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Geometric



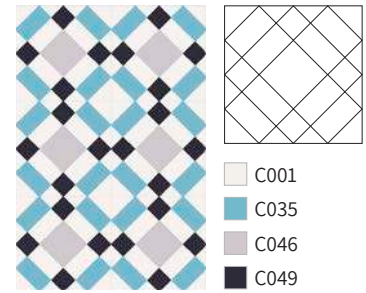
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Geometric



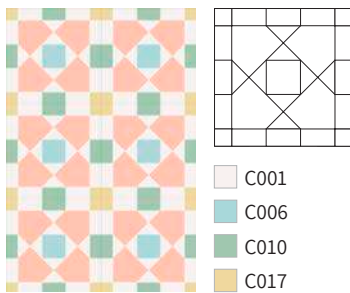
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Geometric



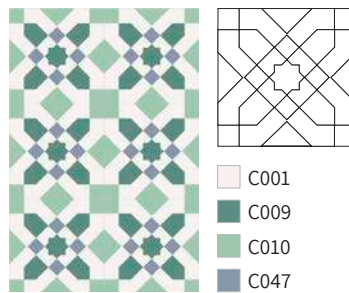
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Geometric



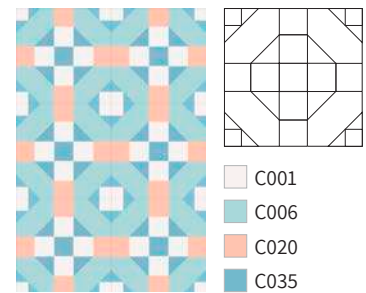
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Geometric



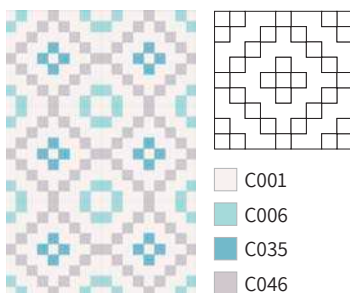
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Contemporary



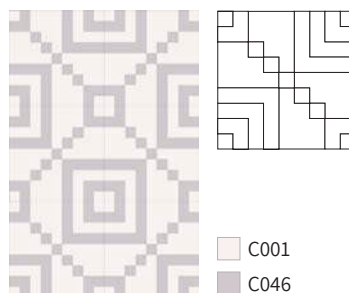
8221
Moorish



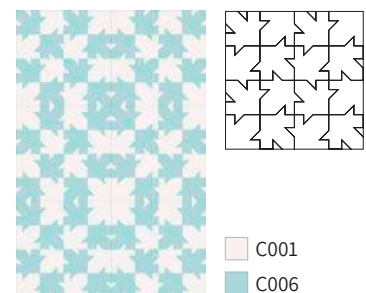
8303
Contemporary



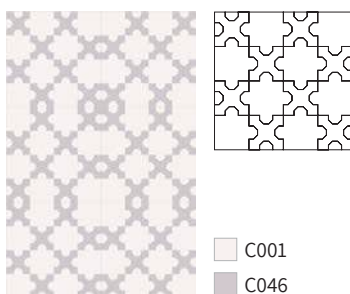
8209
Geometric



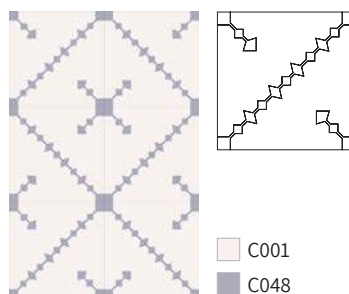
8105
Contemporary



8261
Contemporary

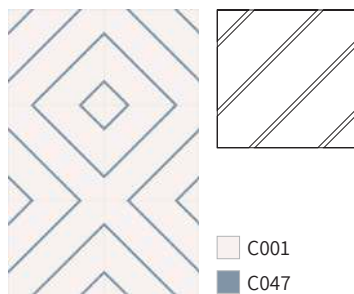


8132
Contemporary

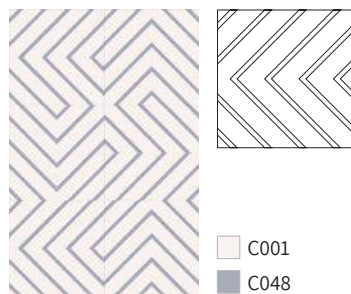


8101
Contemporary

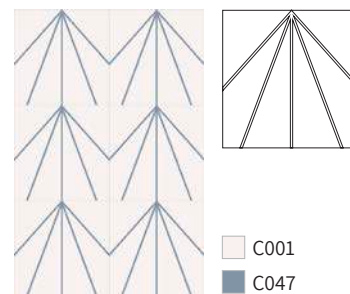
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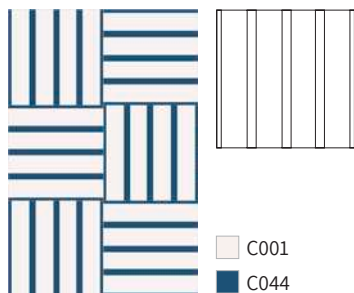
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Geometric



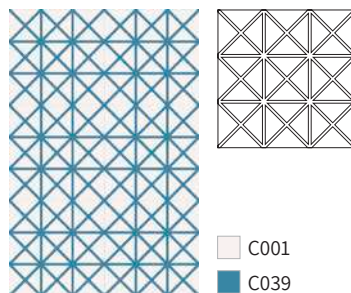
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Geometric



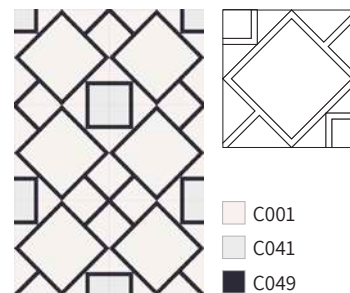
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Geometric



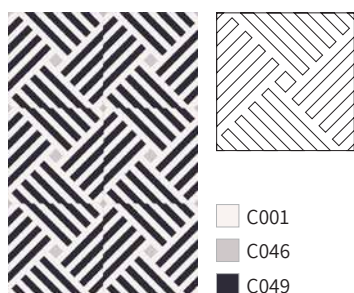
8318
Geometric



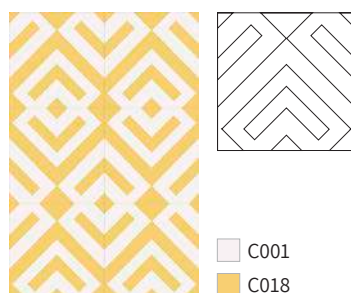
8306
Geometric



8149
Geometric



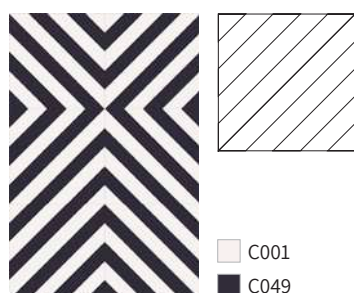
8335
Contemporary



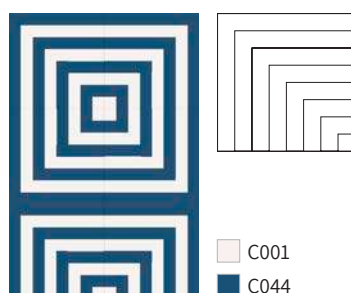
8264
Contemporary



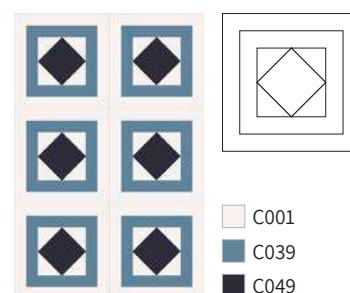
8325
Contemporary



8262
Geometric

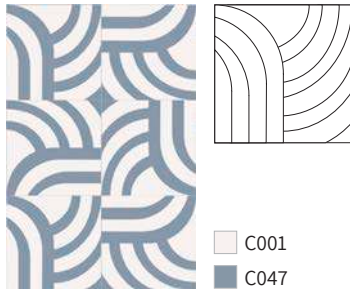


8329
Geometric

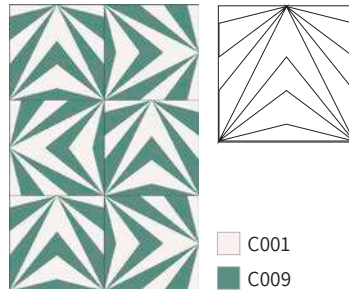


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Geometric

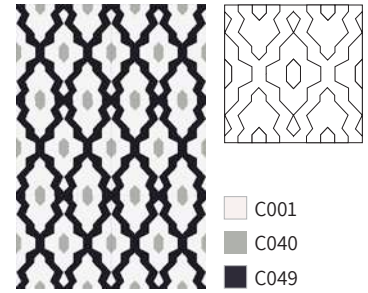
There may be some variation in the colours of the actual product.
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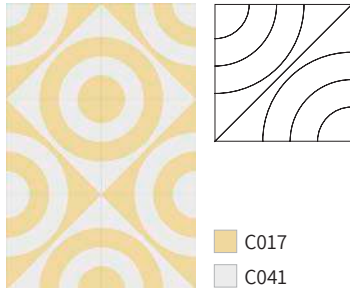
8232
Contemporary



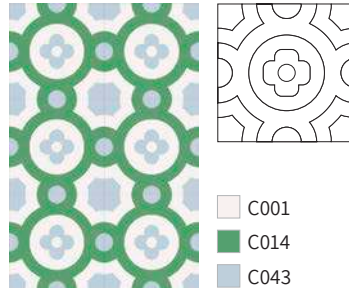
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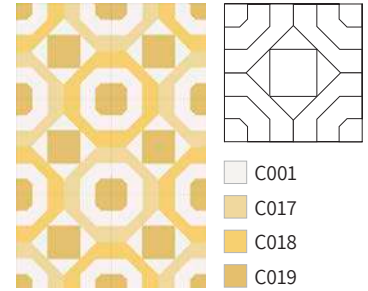
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Contemporary



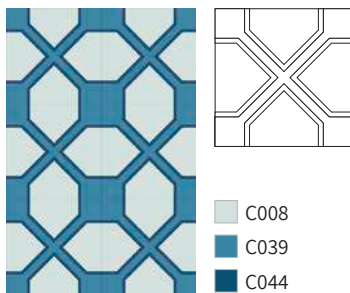
8135
Contemporary



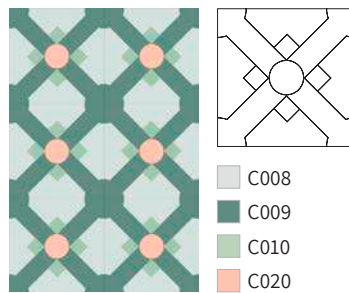
8179
Contemporary



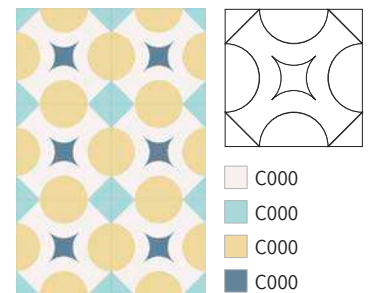
8166
Contemporary



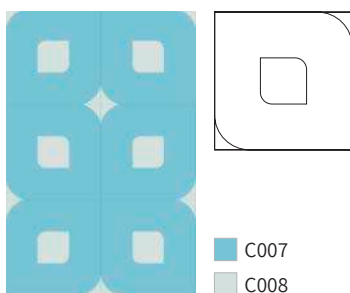
8319
Contemporary



8124
Contemporary

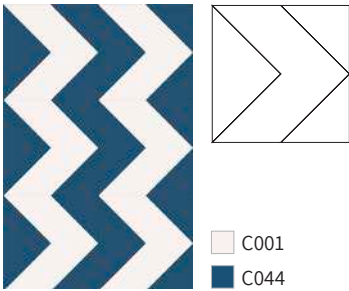


8121
Contemporary

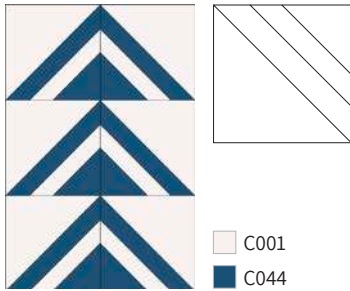


8336
Contemporary

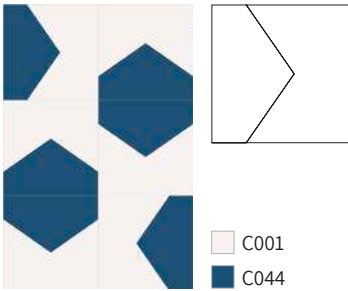
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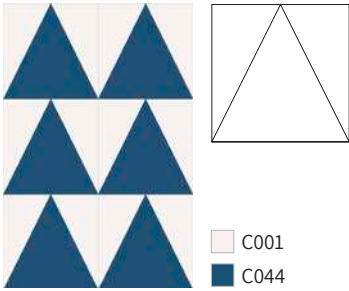
8212
Geometric



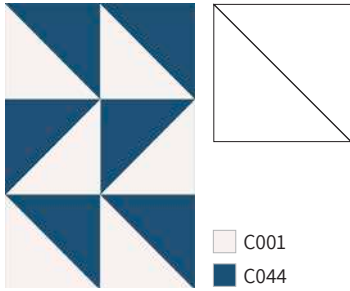
8619
Geometric



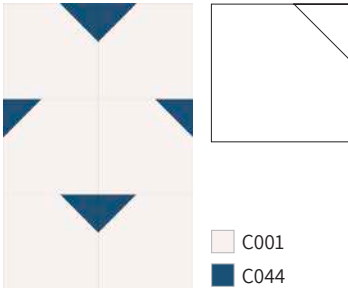
8250
Geometric



8285
Geometric



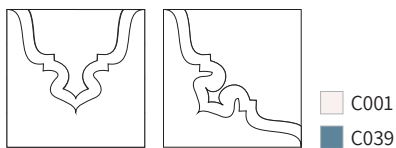
8282
Geometric



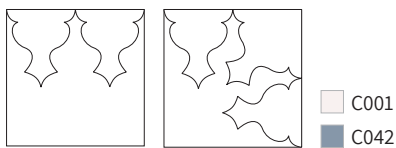
8312
Geometric

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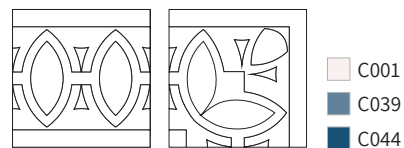
BORDERS 20 x 20 cm — Pattern Tiles



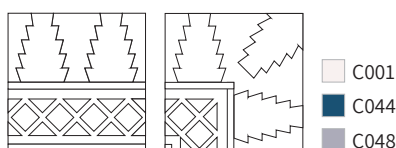
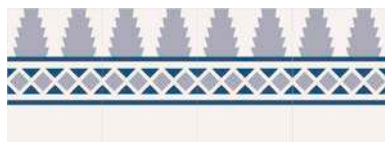
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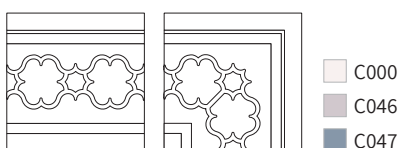
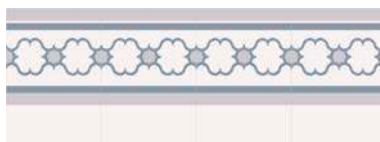
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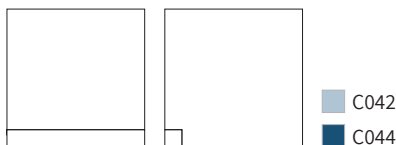
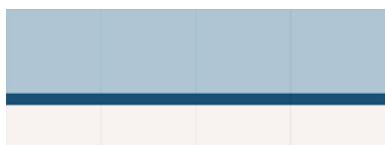
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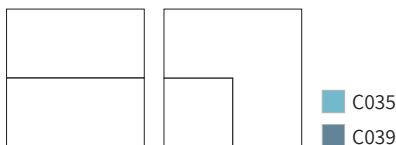
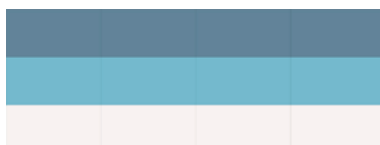
8010



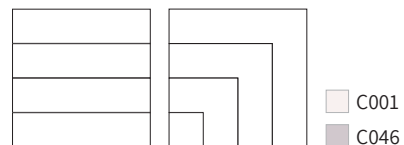
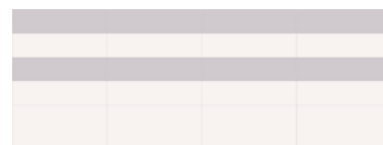
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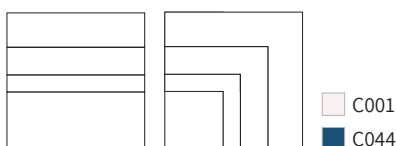
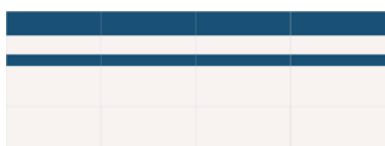
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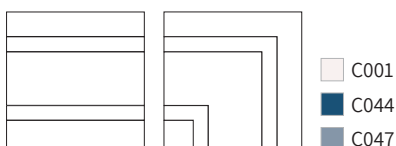
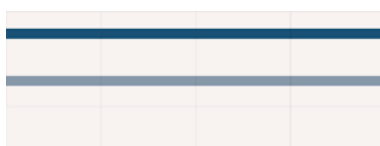
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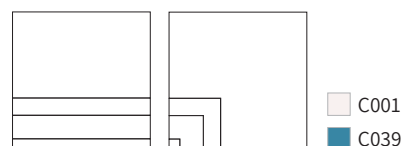
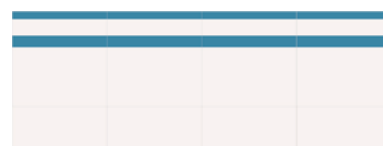
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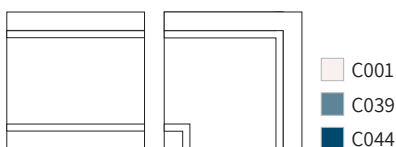
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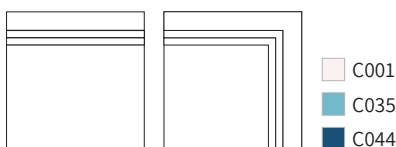
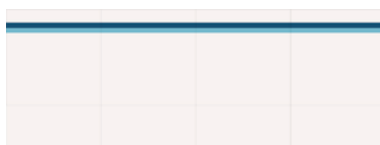
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8012

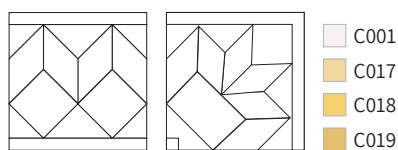


8060

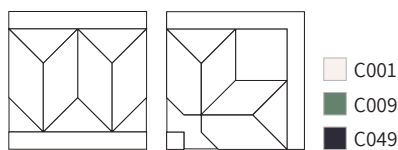
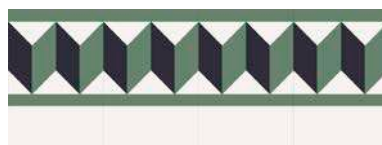


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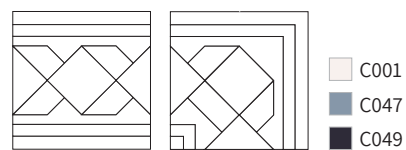
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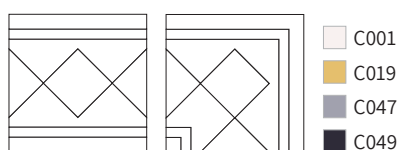
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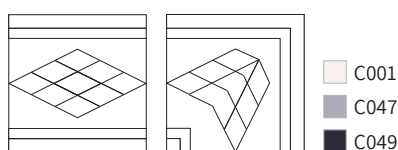
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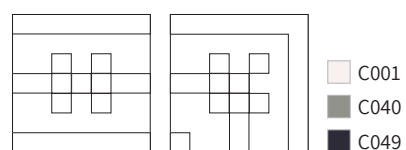
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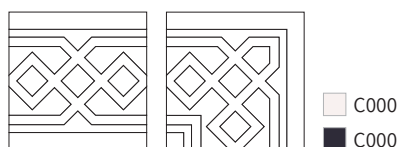
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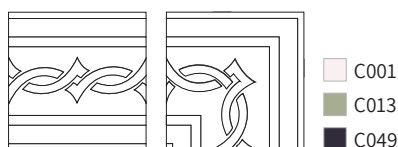
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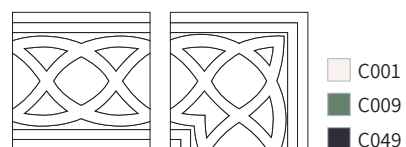
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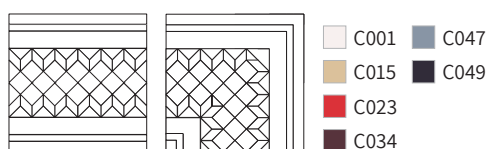
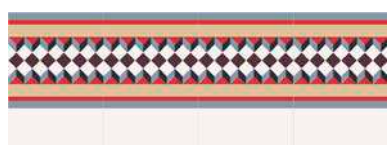
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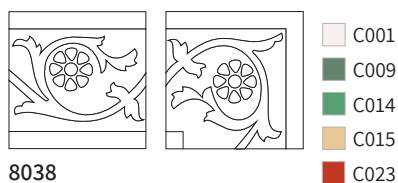


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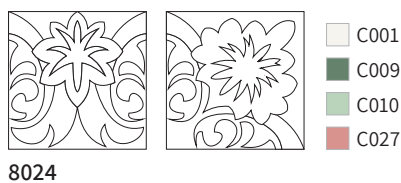


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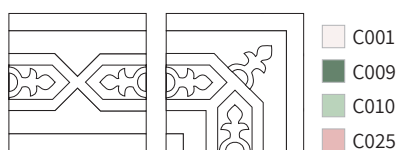
There may be some variation in the colours of the actual product.
Drawings not to scale.
Tiles are handmade, shade variation can be expected.



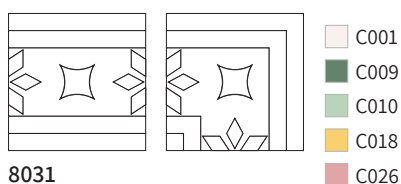
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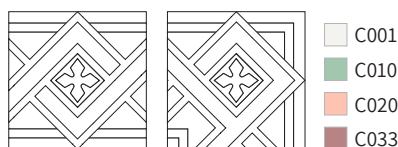
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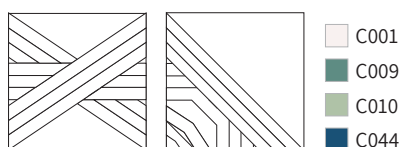
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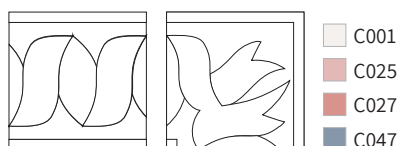
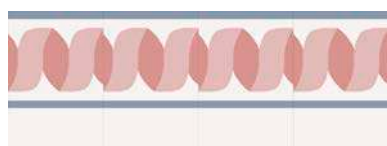
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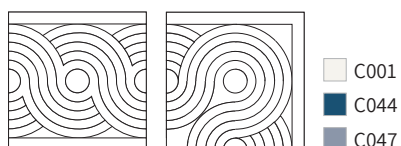
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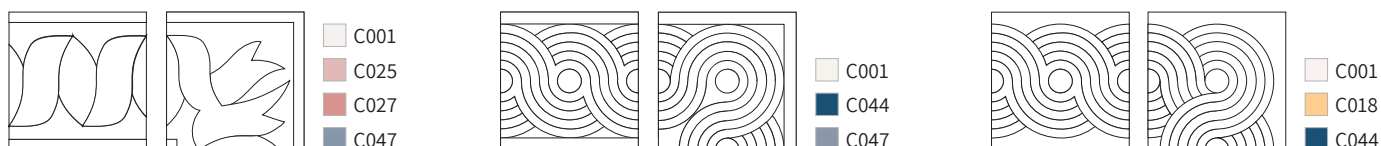
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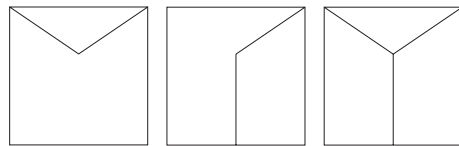


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8001

There may be some variation in the colours of the actual product.
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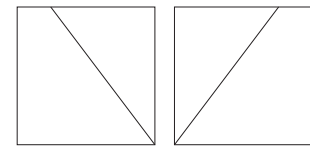
4010

4011

4012

C008 C048
C041 C050
C046

After Lowry
20 x 20 cm
Artists

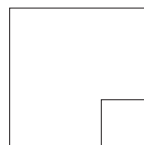


4015

4016

C037 C042
C039 C047
C041

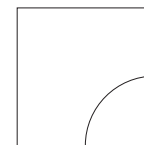
Recubed
20 x 20 cm
Artists



4025

C049
C050

Squared
20 x 20 cm
Artists



4020

C008 C050
C048
C049

Quarter Square
20 x 20 cm
Artists



4000

4001

C041 C050
C046
C047
C048

Going Overground
30 x 15 cm
Artists



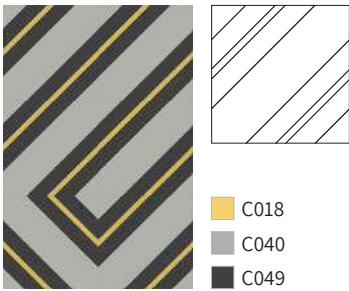
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4006

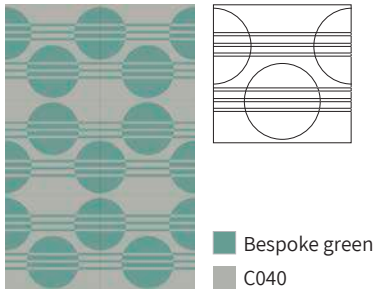
C003 C023
C016
C021
C022

Going Overground
20 x 10 cm
Artists

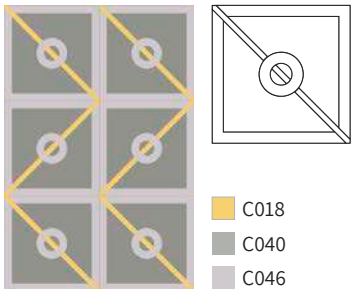
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Geometric

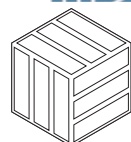


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Contemporary



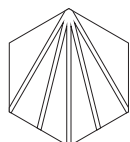
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Contemporary

There may be some variation in the colours of the actual product.
Drawings not to scale.
Tiles are handmade, shade variation can be expected.



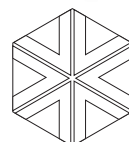
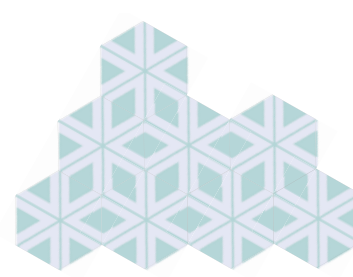
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C039
C001



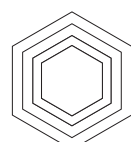
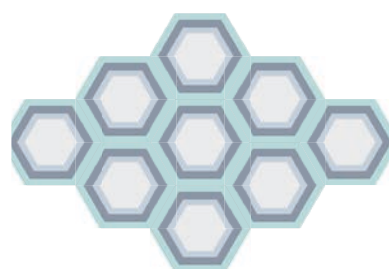
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C001
C006



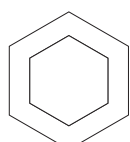
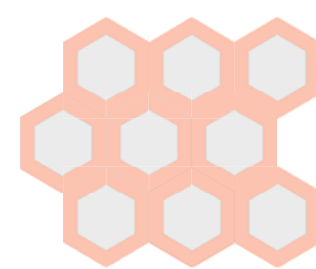
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C045
C006



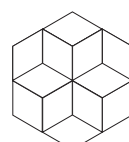
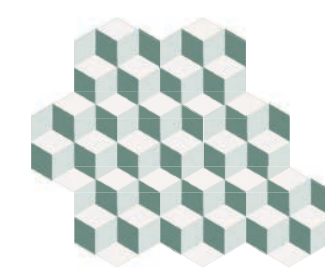
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C006
C041
C043
C047



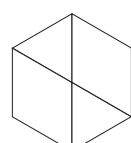
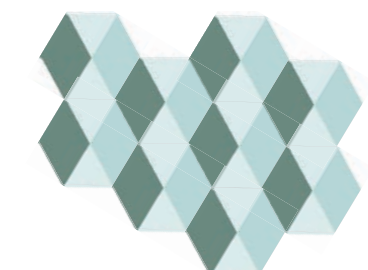
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C020
C041



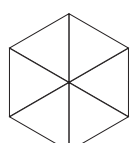
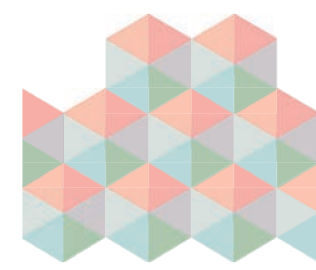
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C001
C008
C009



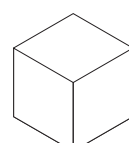
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C005
C006
C009



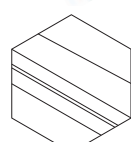
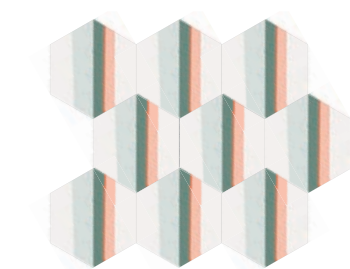
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C006
C008
C010
C020
C026
C046



8601

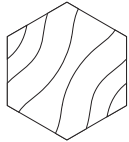
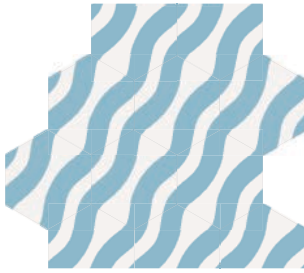
C001
C039
C042



8637

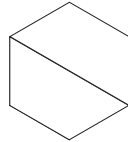
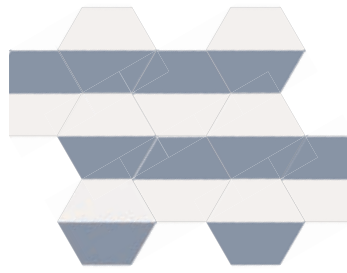
C001
C008
C009
C020
C022

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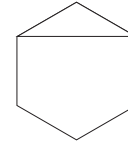
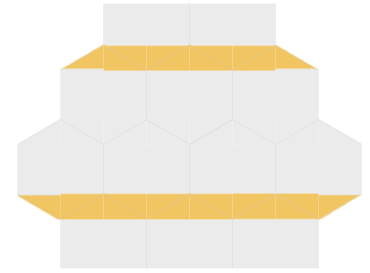
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C001
C035



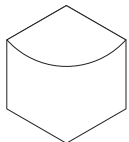
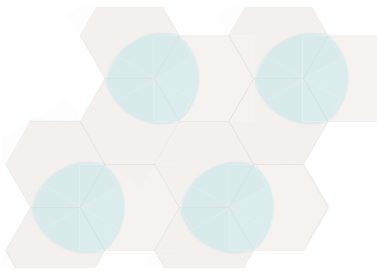
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C001
C047



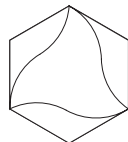
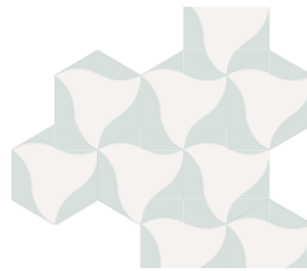
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C018
C041



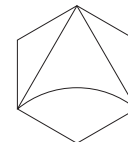
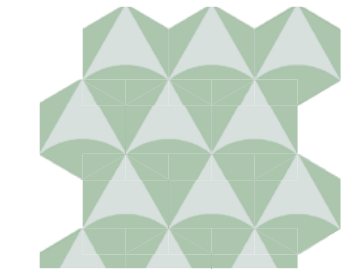
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C001
C005



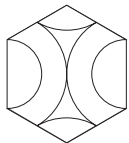
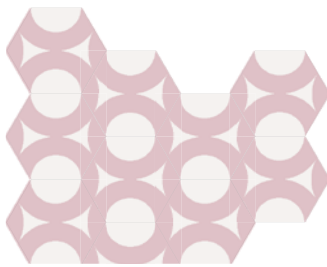
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C001
C008



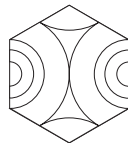
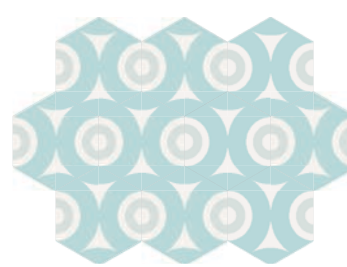
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C008
C010



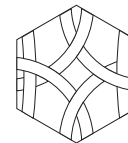
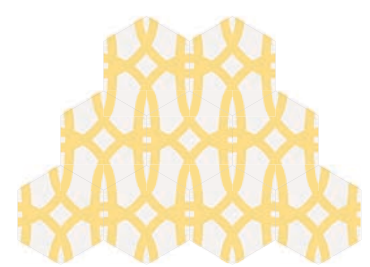
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C001
C033



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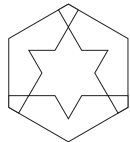
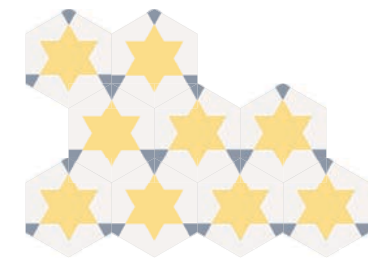
C001
C006
C008



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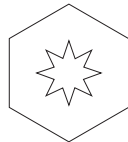
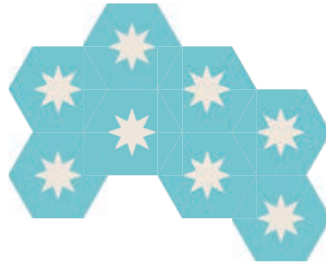
C001
C017

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Drawings not to scale.
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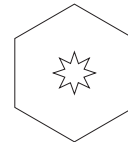
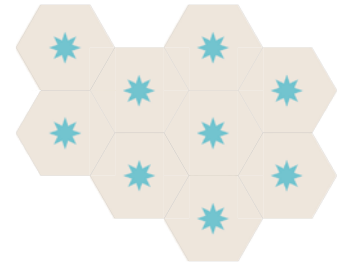
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C001
C017
C047



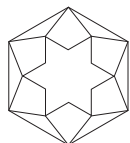
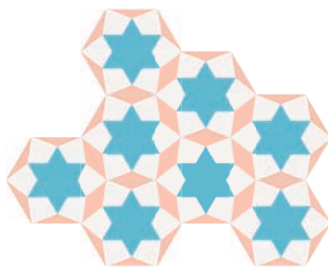
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C003
C007



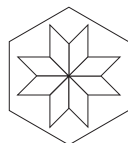
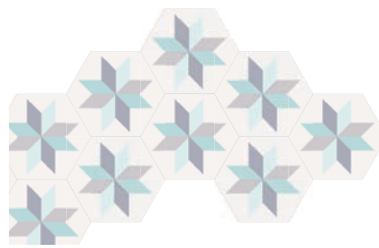
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C003
C007



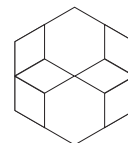
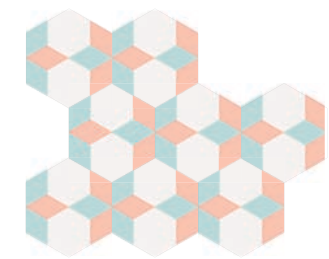
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C001
C020
C037



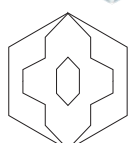
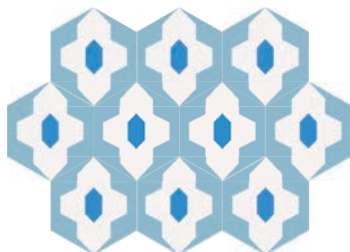
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C001
C005
C006
C046
C048



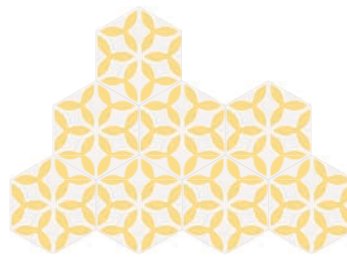
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C001
C006
C020



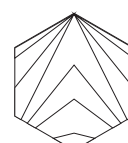
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C001
C035
C038



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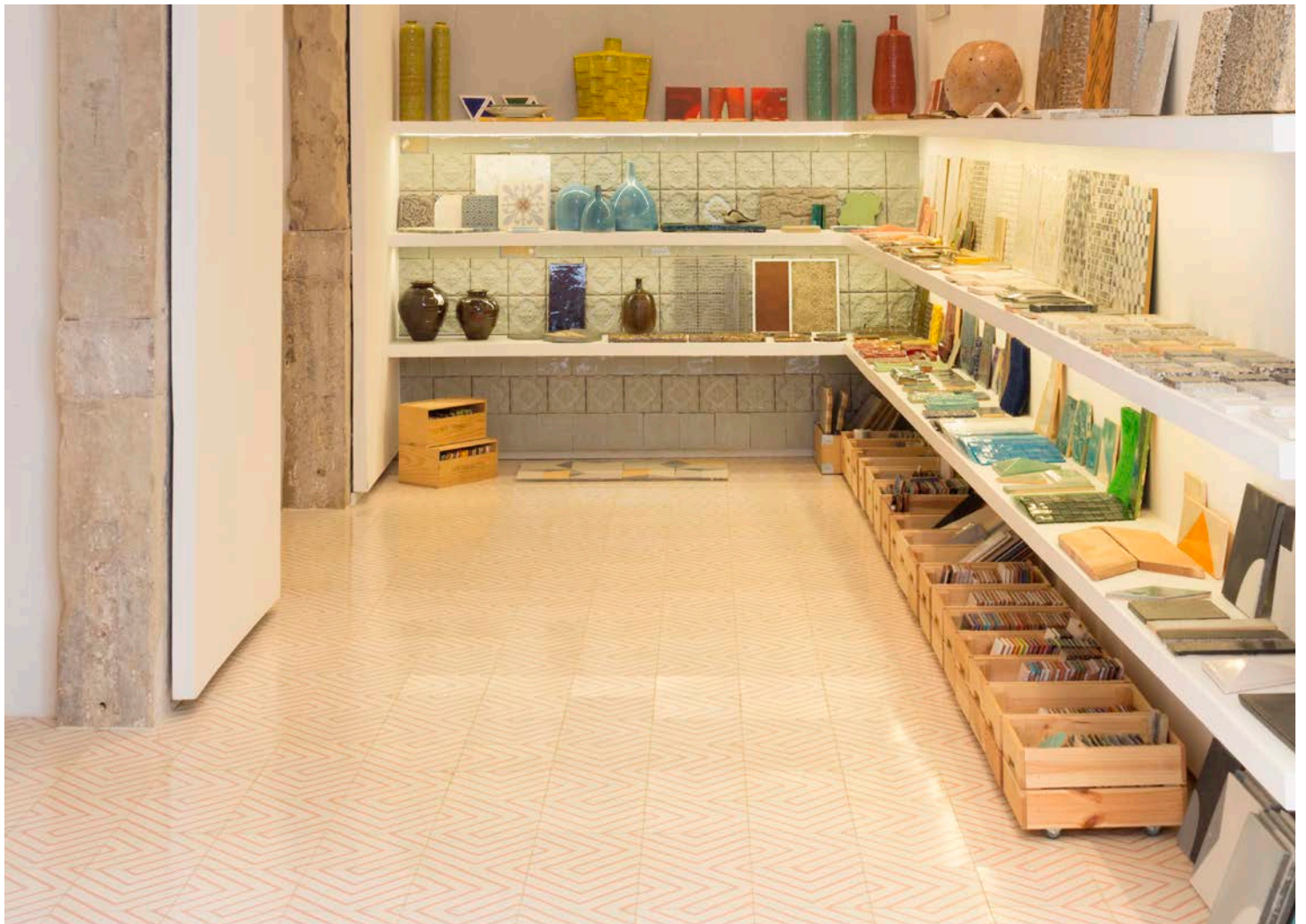
C001
C017








8612

C008
C010

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Technical Features	Standards	Test Results	Compliance
 Determination of water absorption	EN ISO 10545-3-97	6,4 %	YES
 Determination of flexion resistance and breaking load	EN ISO 10545-4-97	R = 7,6 N/mm ² (distance between supports = 180mm)	YES
 Determination of chemical resistance	EN ISO 10545-13-98	Class UA, ULA, UHA	YES
 Determination of abrasion resistance	Wide Disk Method	Print Length 28,0	YES
 Determination of slip resistance	UNE EN 12633	53 USRV	YES

NWT Cement Tiles, Cement Portland Class 3.
Test report, ELABORA - Agencia para la Calidad en la Construcción, S.L.

Please note these tips are guides only and should be used in addition to the relevant industry standards for encaustic cement tiles. Note that installation may vary from site to site with varying conditions experienced on site. The contractor and specifier should decide if these suggestions are suitable for their application or require further adjustment.

? TILE UNDERSTANDING

Shade Variation

These are hand-crafted products and so there will, of course, be some variations in colour tone and natural character that make them unique. Shade variation is inherent in encaustic cement tiles and certain tiles will show greater variation within their lots.

! TILE PREPARATION

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

- Prior to the installation allow tiles to season in their final environment.
- Pre-sort your tiles so you can distribute the range of variation throughout the installation.
- Blending is recommended.
- Inspect each tile deformities that make its use inappropriate for the application intended.
- Both sides of the tiles should be wiped cleaned of any dust before installation.
- The tiles can be cut using a diamond-blade (ideally a water-cooled machine).

OPTIONAL

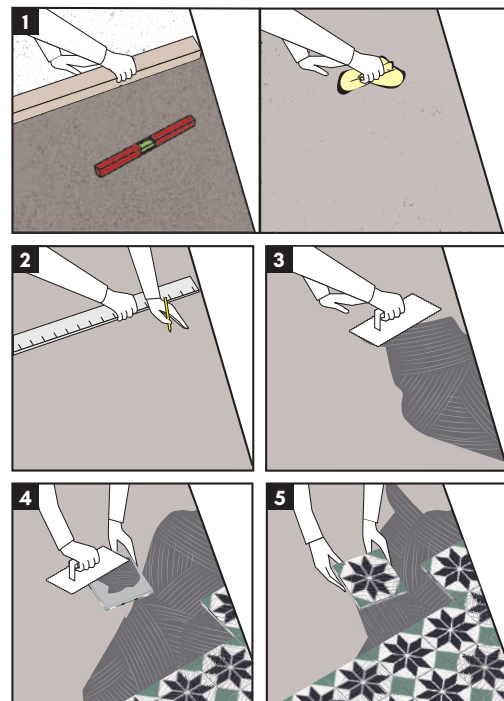
Before installation, once the tiles are perfectly dust cleaned apply two coats of an impregnating sealant with a wide brush or roller.

🔪 TILE LAYING

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.

Laying General Methods:

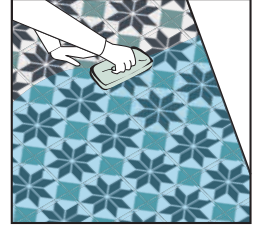
- 1. Prepare the surface.** Cement tiles must be installed on a well leveled, clean and dry surface. Humid subsoil will cause fur deposits on the tile's surface.
 - 2. Determine the layout and mark the surface.** For aesthetic and technical optimisation, define starting points and cuttings.
 - 3. Apply the proper tile adhesive.** Use a large-toothed trowel to spread the adhesive.
 - 4. Back butter tiles.** Apply adhesive on the back of the tile using a large-toothed trowel.
 - 5. Install the tiles.** Lay the tiles and press into place using your hands leaving a thin gap (1 or 2 mm) for the joint.
- Ensure tiles are completely level throughout the installation, as unevenness cannot be rectified later.



TILE SURFACE PREPARATION BEFORE SEALING AND GROUTING

Once the adhesive dry, clean the surface by scrubbing it using a diluted solution of alkaline cleaner and rinse with warm water. It will remove any dust and dirt that may have accumulated during the installation process, eliminating as well the thin layer of pigmented dust that can still cover the tiles.

Tiles should then be allowed to set for 24 hours before applying sealant and grout.



TILE SEALING BEFORE GROUTING

An impregnating sealing is an essential step in protecting the beauty and ensuring the longevity of cement tiles, as it accentuates the appearance and helps to protect against fading and staining.

The sealant is a solvent based liquid that limits water and oil penetration. It impregnates the tile, protects it and keeps its natural matt aspect.

Apply with a brush or a roller on a dry and clean surface. This should be applied in successive applications until the tile is fully saturated. Saturation has been achieved when an even layer of sealant is still visible on the surface after 30 minutes.

Do not apply too much. The excess would leave glistening stains on the surface (brush traces).

Always try the sealer on a loose tile before applying it on the entire surface in order to measure the grade of absorption of the tiles.

TILE GROUTING

It is recommended to use a non-pigmented, flexible, cementitious grout compound suitable for the application of cement tiles. Pigments from the joint might stain the tiles irreversibly.

Grouting General Methods:

1. Seal the tiles. Always ensure that surfaces are properly sealed before grouting.

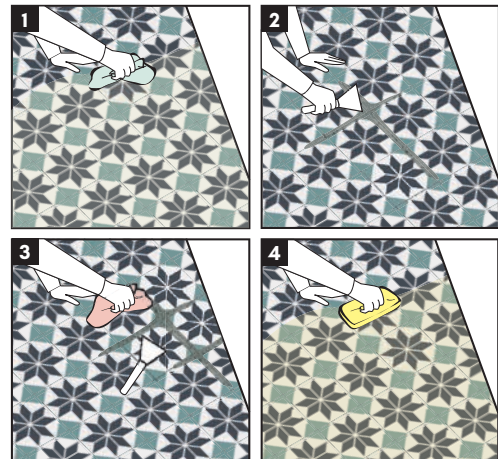
In order to prevent the soiling or staining, a proper sealant must be applied, so that the grout residues do not get deeply adhered to the tiles layer of pigments and these can be removed easily.

2. Grout the joints. Fill the gap between the tiles using a spatula, without spreading the grout on tiles.

3. Remove excess. Clean the excess grout immediately, using a damp cloth. Do not use chemical cleaners.

4. Clean the floor. Remove any cement residue stains immediately, using a pH neutral cleaner.

Never use cement remover, strong detergents or bleach as these will damage the tiles. Stains or spots can be delicately removed with a scouring pad or fine-grained sandpaper.





FINISHING AFTER GROUTING

The finishing completes the protection against wear and dirt.

Always apply a final coat of impregnating sealant making sure to cover the grout joints as well.

Further to the above you can also apply a surface wax. This will offer extra protection and give an attractive patina.

For larger surfaces or high traffic floor (bars, restaurants and other public spaces), a special protection and attention on a daily maintenance is recommended. Using a polishing machine may accelerate the process and protect the entire floor evenly.



MAINTENANCE

Keep the surface as free as possible of loose dust and grit with regular vacuuming or sweeping. This will reduce the sandpaper effect of dirt getting compacted into the surface and joints.

Wash the floor using a pH neutral cleaner (ideally biodegradable and environment friendly) to remove the dirt that a vacuum won't pick up and for hygiene purposes.

We strongly recommend avoiding the use of bleach based cleaners, washing-up liquids or any other acid cleaners.

■ PRODUCT UNDERSTANDING

ARE CEMENT TILES A GREEN MATERIAL?

Cement Tiles are truly a green material.

During the production of cement tiles no heating is involved, as the tiles are not kiln-fired but left to dry in fresh air for 21 to 28 days and the materials used are environmentally friendly and sustainable, just like many centuries ago. That's why more and more professional designers and consumers like to use cement tiles as a high quality and decorative element.

WHAT EXACTLY IS THE CEMENT TILE CURE?

After pressing, encaustic cement tiles are soaked in water to ensure proper hydration for curing.

Like structural concrete, cement tiles cures and hardens chemically over time. It is not that the cement dries, but that it goes through hydration and carbonation (chemical reactions that converts the calcium oxide in the Portland cement to calcium hydroxide, and eventually calcium carbonate). It takes about 4 weeks for the cement to reach 90% of its potential strength, and it will continue to gain strength for decades.

DO COLOURS VARY OVER TIME?

The tile colour will change slightly as the cement cures, and will be affected again when sealed. Tiles may also fade in the sunlight and rain.

■ BESPOKE & CUSTOMISATION

CAN I CUSTOMISE A PRODUCT?

Yes, we are happy to produce custom colours and sizes to best fit your project, although there are limitations to what we can achieve in concrete.

CAN I USE MY OWN DESIGN?

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

■ 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.

DO YOU HAVE ANY TILES IN STOCK?

Yes, we have. Although we mainly produce to order, we have a selection of stock available. Please request our weekly Stock Catalogue.

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.

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

There is a 3 sqm minimum order per reference. 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 tiles 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

CAN CEMENT TILES BE INSTALLED OUTDOORS?

There are several considerations in regards exterior using of Cement Tiles. First, tiles may experience some cracking if installed in an environment with freeze conditions. A second consideration for outdoor installations is sun exposure. The tile colour may diminish with UV exposure, especially blue and green pigments. Furthermore, if you want to keep a glossy, perfect finish, we do not generally recommend them for outdoor use.

CAN I INSTALL YOUR TILES ON THE KITCHEN BACKSPLASH?

Yes, certainly. As with any installation, however, they should be well sealed to prevent staining.

CAN CEMENT TILES BE USED WITH RADIANT HEAT FLOORS?

Yes, cement tiles have excellent thermal mass and are sublime with a radiant heat floor. When installing over radiant heat, we suggest a larger grout joint (3-4 mm) instead of the small grout joint (1-2 mm) we normally recommend. Also, the grout material should be flexible. This will allow for some natural expansion/contraction of the heated floor without cracking the tiles.

WHAT SIZE DO YOU SUGGEST FOR GROUT SPACING?

NWT Cement Tiles are sized to accommodate a 1 to 2 mm grout space, a much tighter grout joint than is typical with ceramic tiles, so the visual effect is more like a carpet.

Many factors determine the size of a grout joint. It is important to discuss it with both your architect and installer.

ARE NWT CEMENT TILES PRE-SEALED?

We always send our tiles in a natural state, therefore they must be always sealed upon installation. When needed, the necessary treatment products can be sent along with the material but they would have to be applied on site.

DO I NEED TO SEAL THE CEMENT TILES?

Yes. Sealing is essential to protecting the beauty and ensuring the longevity of any cement tiles.

WILL THE TILE BE STAINED BY WINE OR ACIDS?

If it is correctly sealed, it will not absorb stains. Soda, wine, acids, etc. should not be left to sit on the tile as they will eventually eat through the sealer and stain the tile.

HOW DO I MAINTAIN MY CEMENT TILES?

The tiles should be cleaned with pH-neutral soap and water. Do not use any acids or bleach on these tiles. If sealed with a topical sealant, they may need to be resealed every couple of years.

NWT Materials 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 reference.

■ 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.
- 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 NWT Cement Tiles 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: 6 weeks to ship.
- 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.
- A possible variation in shades is considered as a particularity of such products. Tiles may exhibit variations from samples and within a shipped lot.

CUSTOM PROJECTS

Please inquire us about custom developments.

- Custom projects are priced accordingly.
 - Custom sizes, patterns and colours are available for an additional charge.
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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 TERRACOTTA products warranty.
- Variations in colour, shade and tonality are inherent characteristics of NWT Cement Tiles and are not defects.
- Variations in facial dimensions and thickness will be allowed as per handmade products standards.
- Although NEW TERRACOTTA provides Installation and Maintenance guidelines, its liability is strictly limited to the supply of products.

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