# NEW TERRACOTTA

# **ZELLIGE TILES SPEC GUIDE**

Technical & Commercial Support

2<sup>nd</sup> Edition 2020

NWT Zellige Tiles are hand moulded, hand cut and hand glazed by Moroccan master craftsmen. Natural clay from the Fez region is mixed with water, hand-shaped, dried, and then kiln-fired, often using olive pits. Enamel glazing is then applied to the fronts of the tiles by hand, producing a bright semi-transparent and deep colour hue.

The mosaics have a charming irregular shape which ensures the multidirectional reflection of light, resulting in a unique texture as no two zellige tiles are exactly alike.

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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 Zellige 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 Zellige Tiles.



# We are NWT ZELLIGE TILES

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

#### The Essence

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



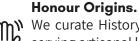
#### **Our Values**

At NWT Zellige 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.





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



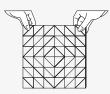
#### Make Extraordinary.

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



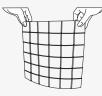
	Size (L×H×Wincm)	Tiles per m²	Loose Tiles	Rigid Panels	Flexible Panels
Square	15 x 15 x 1	45	✓	-	-
	10 x 10 x 1	100	✓	✓	✓
	5 x 5 x 1	400	✓	✓	✓
	3x3x1	1112	-	✓	✓ 
Rectangle	15 x 5 x 1	134	✓	-	-
	10 x 5 x 1	200	✓	✓	✓
	5 x 2,5 x 1	800	-	✓	✓
Неха	L 14×12,1×1	79	✓	-	-
	M 10,3 x 9 x 1	146	✓	✓	✓
	S 5 x 4,3 x 1	616	-	✓	✓
	<b>XS</b> 2,5 x 2,2 x 1	2464	-	✓	✓
Tria 🛕	M 13×11,2×1	138	✓	-	-
	\$ 10 x 8,6 x 1	233	✓	✓	✓
	XS 7 x 3,5 x 1	817	-	✓	✓
Losa	M 8,6 x 15 x 1	155	✓	-	-
	\$ 4,3 x 7,5 x 1	620	-	✓	✓
▼ ♦ •	XS 2 x 3,5 x 1	2857	-	✓	✓
Fish Scale	L 12×10×1	162	✓	-	-
	M 10×9×1	200	✓	✓	✓
	\$ 6,7 x 6,7 x 1	451	✓	✓	✓
<b>v</b> •	XS 5x5x1	800	-	✓	✓
Lis	M 10×10×1	200	✓	✓	√
•	S 5x5x1	800	-	✓	✓
Arab	M 12×10×1	165	✓	✓	✓
Alab Alab	S 5,7 x 4,7 x 1	747	-	√ ✓	<b>√</b>
•	3 3,17.4,17.1	171		·	·
	20 v 10 v 1 0	EO.	<b>√</b>		
Reimet	20 x 10 x 1,8 15 x 5 x 1,8	50 134	<b>√</b>	<del>-</del> -	<del>-</del>
Bejmat	10 x 5 x 1,8	200	√ ✓	-	-
	10 x 3 x 1,0	200	<b>,</b>	-	
Square	15 x 15 x 1,8	45	✓	-	-
	10 x 10 x 1,8	100	✓	-	-
Неха	14 x 12,1 x 1,8	79	✓	-	-
	10,3 x 9 x 1,8	146	✓	-	-

#### **MOUNTED PANELS**



#### RIGID PANELS

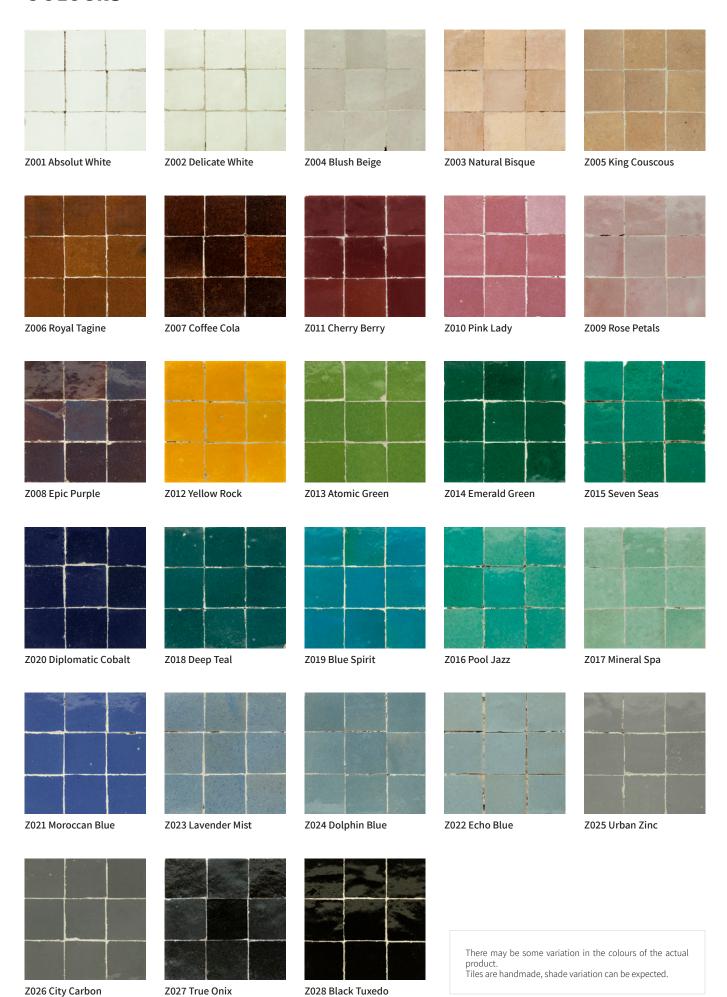
Pre-positioned rigid panels simplify the installation of complex zellige patterns, with many different colours or small pieces. The edges of the panels are adjusted to fit each other like a puzzle so that the grout lines between panels remain discreet.

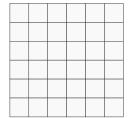


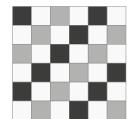
#### FLEXIBLE PANELS

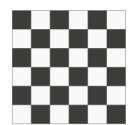
Flexible PANELS
Flexible pre-positioned panels enable a faster installation of small zellige pieces. The tiles are placed on a plastic film according to the design. Flexible panels can measure up to a maximum of 30 x 30cm.

COLOURS Colour & Pattern Guide . Page 6















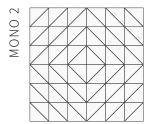


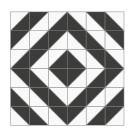
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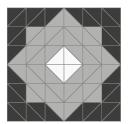
Mono 1.2

Mono 1.3

Mono 1.4









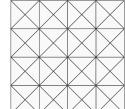


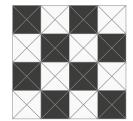


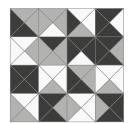


Mono 2.3

Mono 2.4













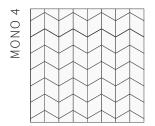


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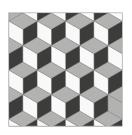
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Mono 3.3

Mono 3.4













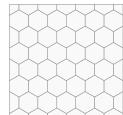


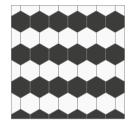
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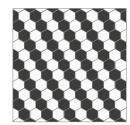
Mono 4.2

Mono 4.3

Mono 4.4







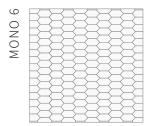


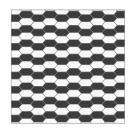


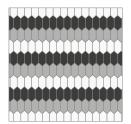


Mono 5.1

Mono 5.2





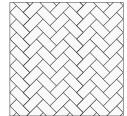


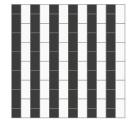


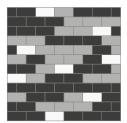


Mono 6.1

Mono 6.2









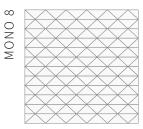




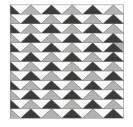
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Mono 7.2

Mono 7.3







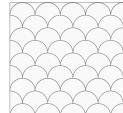


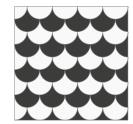


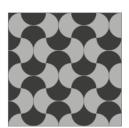


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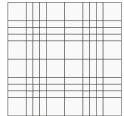
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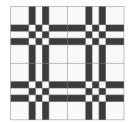


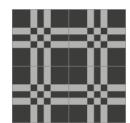




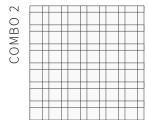


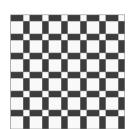


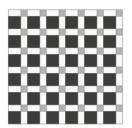




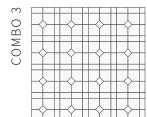


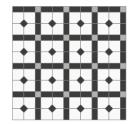


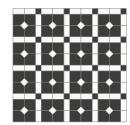






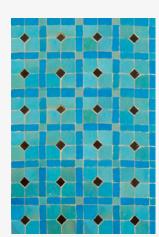








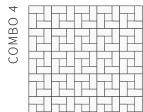


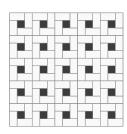


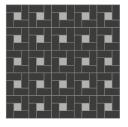
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Combo 3.2

Combo 3.3





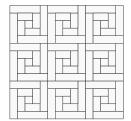


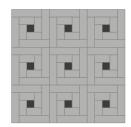


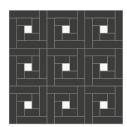


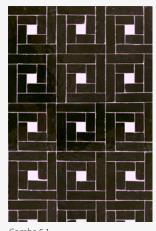
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Combo 4.2





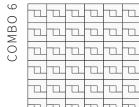


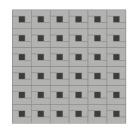


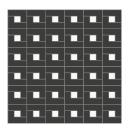


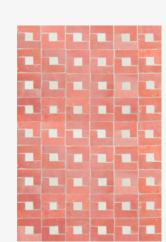
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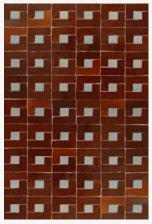










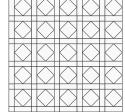


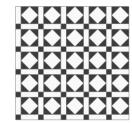
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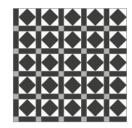
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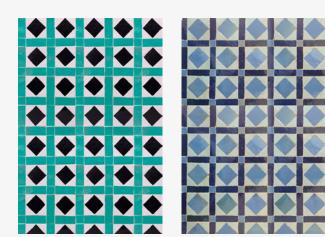
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COMBO 7



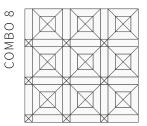


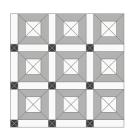


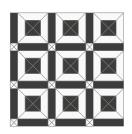


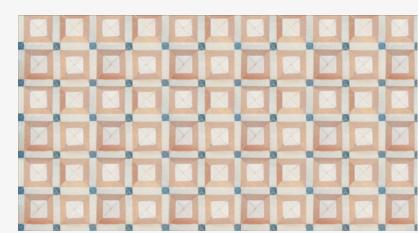
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Combo 7.2

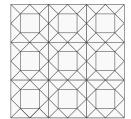


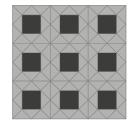


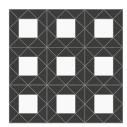




Combo 8.1









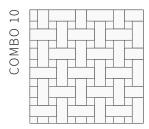


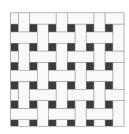


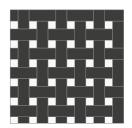
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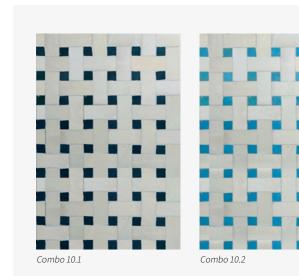
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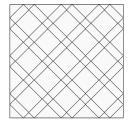
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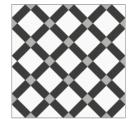






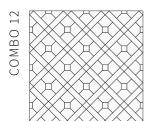








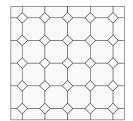


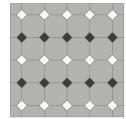


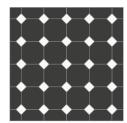














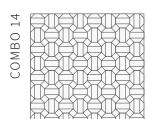


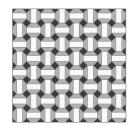


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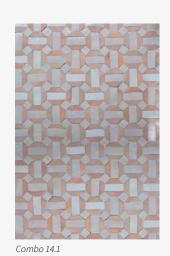
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Combo 13.3







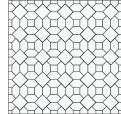


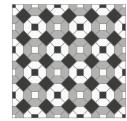




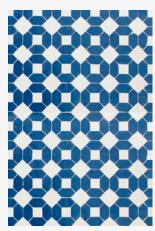
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Combo 14.3





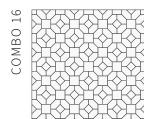


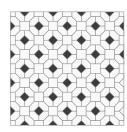




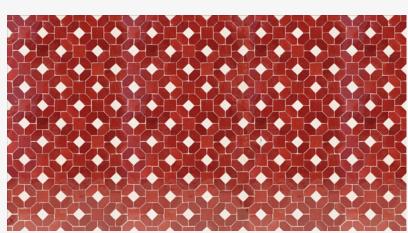
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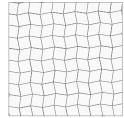


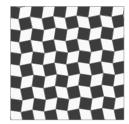


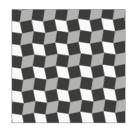




Combo 16.1













Combo 17.1

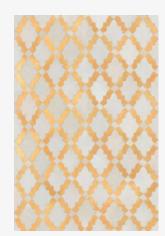
Combo 17.2

Combo 17.3







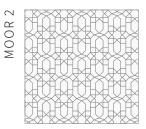




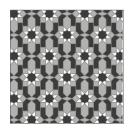


Moor 1.1

Moor 1.2







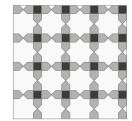


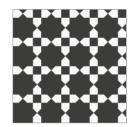




Moor 2.3





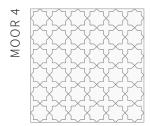


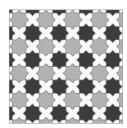




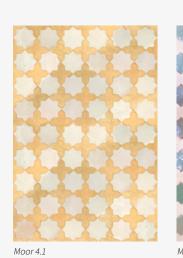


Moor 3.3



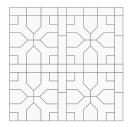


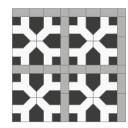


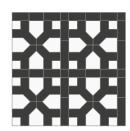




Moor 4.2















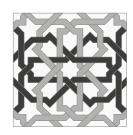
Moor 5.1

Moor 5.2

Moor 5.3

Moor 5.4











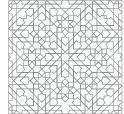


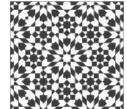


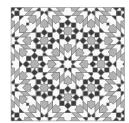
Moor 6.2

Moor 6.3

Moor 6.4











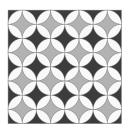


Moor 7.1

Moor 7.3







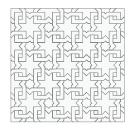


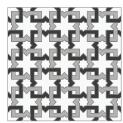




Moor 8.2

Moor 8.3





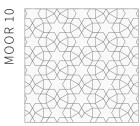


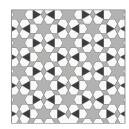


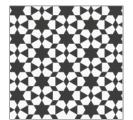


Moor 9.1

Moor 9.2

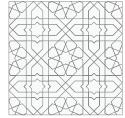


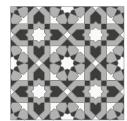


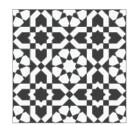


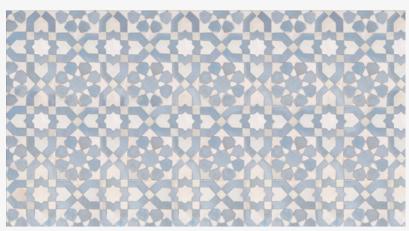


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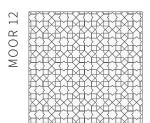


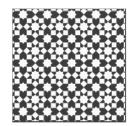




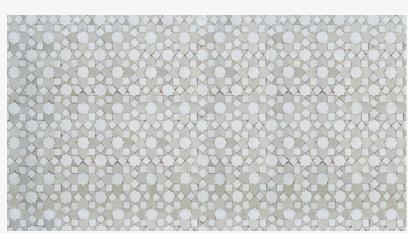


Moor 11.1



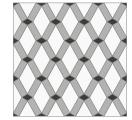


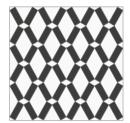


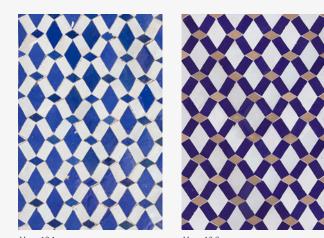


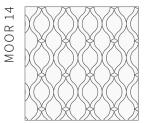
Moor 12.1









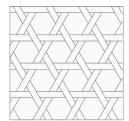


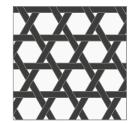


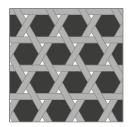




Moor 14.1

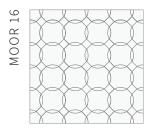


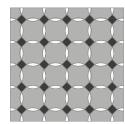


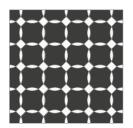


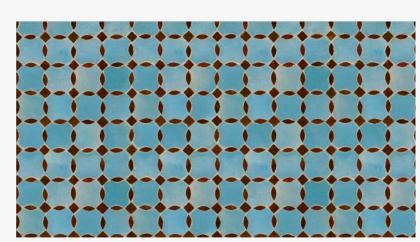


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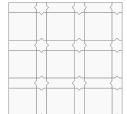


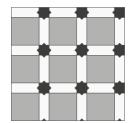


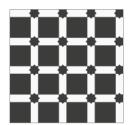




Moor 16.1

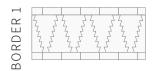








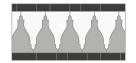
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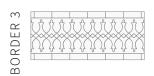


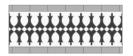


BORDER 2

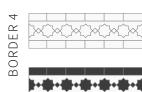






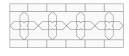








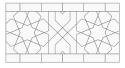
**BORDER 5** 







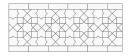
BORDER 6

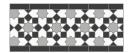






**BORDER 7** 







**BORDER 8** 





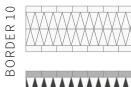


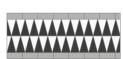
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BORDER 9











CHISELED 1







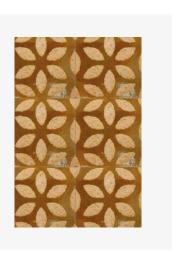
CHISELED 4







CHISELED 7





CHISELED 8























There may be some variation in the colours of the actual product. Drawings not to scale.

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







#### **INSTALLATION & MAINTENANCE**

NWT Zellige Tiles collection is suitable for most interior and exterior applications, including residential and commercial floors, walls, counters, showers, bathrooms, swimming pools, spas and fountains.

Because the purchase of NWT Zellige Tiles for your home or commercial project represents an important investment, proper installation and maintenance is critical.

## TILE UNDERSTANDING

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

Due to the artisanal methods carried out during the production process there will be small imperfections which are the unique character of zellige tiles.

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

## ▲ TILE PREPARATION

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

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

## TILE GROUTING

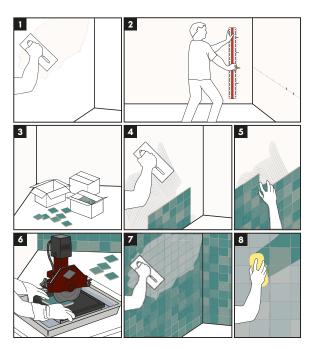
Grout joints are recommended as tight set since all zellige is hand-cut (one piece at a time) and therefore able to be set close to one another. We always recommend the use of a white or light grey cement grout.

## TILE INSTALLATION

#### Install per industry standards for zellige tiles.

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

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



#### **INSTALLATION & MAINTENANCE**

## MAINTENANCE

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

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

#### FREQUENTLY ASKED QUESTIONS

#### PRODUCT UNDERSTANDING

#### WHAT ARE ZELLIGE TILES?

Zellige is known as Moroccan mosaic tile.

#### WHY IS THE COLOUR AND TONE OF ZELLIGE SO VARIED?

Zellige is made by hand in an extremely organic way. Natural variations in colour are part of the handmade process. This is what gives the tile their inherent tonal variation and makes them so uniquely bespoke and beautiful.

#### BESPOKE & CUSTOMISATION

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

Yes, we are happy to produce custom shapes to best fit your project, although there are limitations to what we can achieve in zellige.

#### **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 ZELLIGE 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 colour. Because each order is custom made, a set-up procedure is required.

#### SHOULD I ORDER EXTRA TILES?

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

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

Because we make our 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 I INSTALL ZELLIGE TILES ON THE KITCHEN BACKSPLASH?

Yes, certainly.

#### CAN ZELLIGE BE USED IN WET AREAS, LIKE FOUNTAINS, POOLS AND SHOWERS?

All zellige tiles are appropriate for showers, spas, basins, swimming pools. This handcrafted decorative covering dates from 13<sup>th</sup> century and has a long history of being used in all types of water circumstances.

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

Grout joints are recommended as tight set since all zellige is hand-cut (one piece at a time) and therefore able to be set close to one another.

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

Zellige tiles are glazed terracotta and do not need to be sealed. Natural Zellige (unglazed terracotta) must be sealed as it is highly porous.

#### **HOW DO I MAINTAIN MY ZELLIGE 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.
- Special packing for bespoke products must be quoted. Please contact us.
- Freight quotes are passed on at cost with a 15€ pallet charge per pallet used.
- Delivery terms are to be considered indicative. Eventual delivery delays do not entitle customers to claim indemnity.

#### PAYMENT TERMS

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

#### LEAD TIMES

Nearly every NWT Zellige 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: 5 to 6 weeks to ship.
- Custom designed tiles: quoted on an individual basis.
- Exceptionally large quantities: quoted on an individual basis.

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

#### ■ TOLERANCE TO DIMENSIONS AND SHADES

- Tiles are referred to its nominal size, not its actual size. Due to the handcrafted nature of our products, dimensions are approximate and may be subject to a degree of inaccuracy.
- 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 are available for an additional charge.
- Custom glazes are subject to Run of Kiln, which may be up to 10% over original quantity.

#### RETURNS

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

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

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