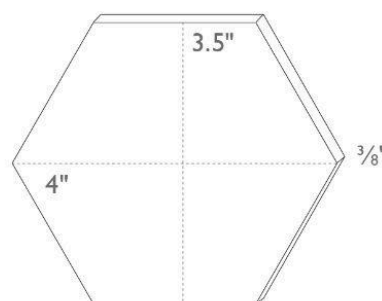
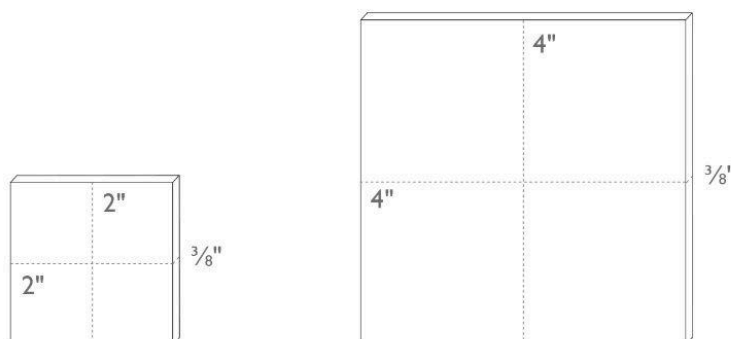


ZELLIGE

USAGE	Y / N
interior floor	Y*
interior wall	Y
exterior floor	N*
exterior wall	Y*
light residential traffic	Y
heavy residential traffic	Y
light commercial traffic	Y
heavy commercial traffic	N
industrial traffic	N
shower	Y*
steam shower	Y*
fountain	Y*
pool	Y*
freeze/thaw	N
UV resistant	Y
radiant heating compatible	Y
heat resistant	N
fireplace surround	Y*
stove backsplash	Y*
sink backsplash	Y*
grout joint size	1/16"



Standard thickness for bejmat tiles is 3/4", and 3/8" for all other zellige.

Please note all dimensions are nominal. Please note that dimensions can vary +/- 1/4".

Measurements for 2" x 6" bejmat tiles are closer to 1 3/4" x 5 1/2".

* There are specific installation requirements for this usage. Please review the "Installation Areas" section below, and discuss with your installer.

ZELLIGE

What's in our tile: Zellige is a tile that has retained its ancient tile making process and, therefore, has all the hand-hewn qualities that have become synonymous with it. Essentially, a glazed terracotta tile, hand-crafted, olive-pit fired and hand chiseled to size, Zellige is a testament of ancient tile craft. If your order doesn't contain tiles with pits, cracks, iron spots, shade/size variations and chipped edges—it's not Zellige.

Due to the handmade craftsmanship of our tiles and the variety of materials used, there will be degrees of variation in color, shade, size and texture across production lots or batches. This means that your sample may not be a perfect match with your actual order, and that your add-on order may not be a perfect match to either. **This is the beauty of artisanal tile!**

INSPECTING YOUR SHIPMENT

- **WHAT TO EXPECT** – zellige tiles are handcrafted, wood-fired terracotta with inherent variations in color, surface marks and texture as well as occasional crazing, pitting, and iron spots. ALSO - Dust and shipping residue are to be expected and should be cleaned prior to installing.
- **BLEND BLEND BLEND** - due to the natural materials and production process of zellige tiles, there will be degrees of variation in color, shade, and size in your order. Therefore, it is important to blend the tiles from all boxes once they arrive and place them in their installation area to ensure you have the layout you want before installing.
- Please note that it is impossible to guarantee a perfect color match across different size tiles in the same zellige glaze, which may affect your layout. Due to the handcrafted nature of the tiles, variation across the different sizes is to be expected. If you wish to have your tiles made-to-order for optimal color continuity, please email contact@cletile.com to inquire.
- **ORDER EXTRA!** - industry standard suggests adding at least 15% overage due to tile cuts, potential shipping breakage, or future repairs. Please note that due to the production process including the firing methods and raw materials used to create glazed clay tiles, your order of Zellige will have a percentage of tiles greater than 15% with cracks, iron spots, crazing, chipped edges, and pitting. Pits and chips may be more prevalent on 2" x 6" bejmat tiles compared to other sizes, especially in darker glaze colors, with the corners and edges being the areas most affected. If these features do not fit your project's needs, we recommend ordering 20-30% overage. This will allow your contractor to cherry-pick the tiles most desirable for your project.
- **SHIPMENTS ARE SUBJECT TO WEATHER** – tiles may be exposed to moisture and/or condensation during production or shipping which may affect the color of the tiles once received. Setting the tiles out to dry prior to installation will return the color to normal. Do not install tiles until fully dried.

INSTALLATION FYIs

- **GENERAL GUIDELINES, NOT INSTRUCTIONS** - clé offers general information about our tiles and their unique qualities and usages. Proper installation will only be attained if you have selected a seasoned installer with years of experience with artisan tiles. Any installer without artisan tile experience will not know how to install clé tiles and will likely result in failed installations.
- **INSTALLATION DEEMS ACCEPTANCE OF YOUR ORDER** - if you are not 100% sure of your tiles- **DO NOT INSTALL THEM.** As is standard in the tile industry and with all construction materials, installation deems acceptance of materials. Do not install if there are visible issues. If you have any doubts or are unsure of what qualifies as a visible issue for the tile you are installing, please reach out to us **PRIOR** to installation. Our tiles are subject to variations in color, texture, size, and finish. Misuse by contractor or end-user including but not limited to negligence, physical and/or chemical abuse, as well as order shortages **ARE NOT** a clé responsibility and therefore, not covered by clé's warranty.
- **TILE IS A MATERIAL. INSTALLATION ERRORS ARE NOT THE FAULT OF THE MATERIAL** – clé tile is a material. Tile is merely the surface of your construction. Installation problems will arise from inexperienced artisan tile installers, substrate, or construction engineering and/or installation issues. Please refer to your project architect, structural engineer and/or installer for best results.
- **PLEASE CONFIRM YOUR INSTALLER'S LEVEL OF ARTISAN TILE EXPERIENCE** - your installation will only be as good as your installer. Please visit our blog for tips on [how to choose an installer](https://www.cletile.com/blogs/cle-notes/how-to-choose-contractor-installer) (<https://www.cletile.com/blogs/cle-notes/how-to-choose-contractor-installer>).
- Please note that since each zellige tile is hand chiseled, there may be sharp edges. Your installer will minimize the sharp edges during the installation process or after installation with a light sanding on high points.
- **REQUIRE YOUR INSTALLER PERFORM A “DRY RUN” BEFORE BEGINNING YOUR INSTALLATION** – before installing, make sure to lay out and blend **ALL BOXES** of your tiles so that your variations in color, and tiles that bear chips and pits are artfully placed as you would like. clé selects our tiles for their hand-hewn variations and their inherent surface and color variations, which include pits, cracks, and chipping. The best placement of these nuances throughout your installation must be guided by you and/or your design professional to realize the best possible blend of your shipment of our limited-availability tiles. Your installation is only as good as your **DRY RUN**.

- **REQUIRE MOCK-UP BOARDS** – your next step to ensure your tiles will be organized properly and your grout joint size and color, as well as your sealant, are done to your design professional's specifications- we urge you to require your installer create mock-up boards prior to your installation. This is a STANDARD PRACTICE for seasoned installers as it enables the end-user and their design professional to test all the tile layouts in mock-up form and, also will allow for the mock-up boards to be examined in the space and lighting in which the tiles will be used. Before beginning the mock-up boards- make sure to FIRST do your above-recommended DRY RUN and lay out and blend your tiles as described in that section.
- **“FINAL FINISH” – WHAT IT IS AND WHY MAY YOUR PROJECT REQUIRES THIS?** - if you plan install your tile prior to the installation of cabinets, fixtures, etc., you'll need be refinish the tile after those other features are installed in a step we call the “final finish.” In this step, your contractor should replace any broken or chipped tiles caused by construction damage, scuffing, or any deterioration of the tile surface. They should also hire a professional refinisher for the final refinishing of your tile installation. (*NOTE – Another benefit is that shipping refinishing can alleviate common shipping imperfections.). Make sure to account for this final step in your project timeline and budget.
- **TCNA and ANSI** - please refer to the current edition of the TCNA Handbook for best installation results and ANSI A137:1 American National Standard Specifications for Ceramic Tile to reference specifications.

INSTALLATION AREAS

- Unglazed Zellige in the bejmat size (2” x 6”) can be used on interior and exterior floors, including light commercial traffic areas. For exterior floor installations in cold-weather areas, they must be installed above-grade on covered decks or verandas and sealed with a water-repellent sealer.
- All other sizes of glazed and unglazed zellige tiles can be used indoors with light commercial traffic.
- Zellige tiles are not freeze/thaw resistant.
- Zellige tiles can be used on interior and exterior walls. For outdoor installations in cold-weather areas, there must be a flashing or roofing overhead and the tiles must be sealed with a water-repellent sealer.
- Zellige tiles can be installed in showers and steam showers with the application of a waterproofing penetrating sealer.
- Zellige tiles can be used on shower and steam shower floors, where the natural variation on the surface of the tile can provide additional protection against slipping. Additionally, using a thicker grout line, an off-center placement and/or using smaller 2” x 2” tiles, can also provide protection because there are more grout lines.
- Glazed zellige tiles can be installed on pool and fountain water lines with application of a penetrating sealer. Unglazed zellige tiles are not suited for these uses.

- Zellige tiles are UV resistant.
- Zellige tiles are radiant heating compatible.
- Zellige tiles can be used on fireplace surrounds, but are not heat resistant and cannot be installed where they will be exposed to direct heat (inside fireplaces, pizza ovens, oven venting).
- Zellige tiles can be used as a stove backsplash. Please consult with your installer to see if a range splash is required for your installation.
- Zellige tiles can be installed on backsplashes, and in bathrooms with the application of a penetrating sealer.

MADE-TO-ORDER MOUNTED 2" x 2" SHEET TILES

- We currently offer unmounted loose 2" x 2" tiles in all colors on our website. However, we are able to offer sheets of mounted 2" x 2" tiles as a special made-to-order option directly from our sales team.
- If you ordered, a mounted sheet has 16 pieces of 2" x 2" tile, measuring 8" x 8" overall.
- With this option unglazed natural zellige 2"x2" tiles come back, mesh mounted, while glazed zellige tiles have a plastic sheet on top of the tiles to hold the tiles in place.
- If the sheet leaves glue residue on the glaze it can be removed with warm water and a soft cloth.
- Individual pieces can be taken off the sheet and moved around in order to blend them.
- Please contact a sales representative to order.

GROUT

- clé recommends a $\frac{1}{16}$ " grout joint with this collection.
- clé recommends using mortar and unsanded cementitious grout that comply with the ANSI A118 or ISO 13007 classifications suitable for your project. Please consult with your installation professional to make these determinations.
- Grout color selection is always up to our client and/or their design professional. However, clé is often asked for our opinion on best grout selections for our tiles. And due to the large array of grout colors that are now available, clé would like to offer this general guideline on a grout color selection for any of your clé tiles.
 - First, have your contractor complete your tile installation, except for the grout portion.
 - Next, ask your contractor to bring ALL grout color charts from his preferred grout manufacturer for your review.
 - Lastly, choose a time of day when you are most pleased with the lighting in your space (either natural lighting, installed lighting or a blend of both). During that lighting and time of day, select the grout color that best matches your tile selection.
- If you are working with highly color-variegated tiles or a combination of tiles, we recommend that you follow the above recommendations—but match your grout to the color in your installation that you would like to accentuate.
- We do not generally recommend using a contrasting grout color with Zellige, as it will highlight the thin hairline cracks/crazing found on the tiles, and fill in any pits, and/or chips. If you choose to use a contrasting grout (i.e. white grout with black tile) please order 20-30% overage in order to cherry-pick the tile of the imperfections that are standard to Zellige. Additionally, you must make sure to apply Stonetech Heavy Duty Sealer from Laticrete as a pre-grout treatment to minimize the possibility of the contrasting grout curing in the inherent hairline cracks, pits, and/or chips.
- If your contractor is having any issues or questions regarding grout, please reach out to the grout manufacturer directly. They are the best and fastest line of contact.

SEALING, MAINTENANCE, AND CARE

- Please follow Laticrete's [Sealing, Maintenance, and Care guide](#) for more guidance on sealing, cleaning, maintaining, and caring for your tile installation.
- **If you have any questions regarding Laticrete products or how to use them, please contact Laticrete directly by phone: 1-800-243-4788 X 1235.**

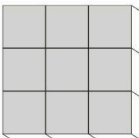
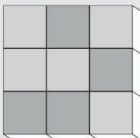
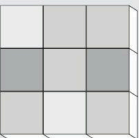
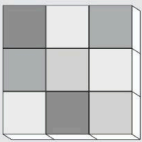
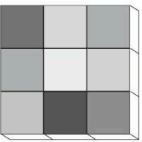
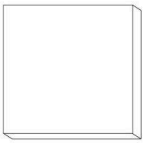
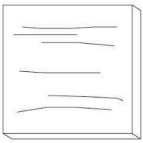
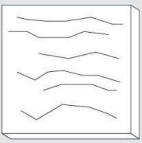
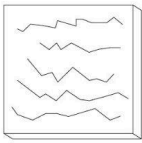
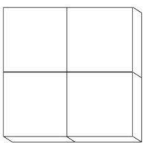
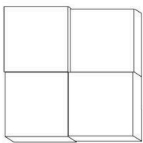
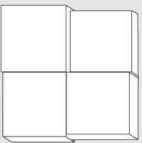
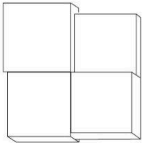
ADDITIONAL SPECIFICATIONS

COLOR, TEXTURE AND SIZE VARIATION

Zellige tiles are created from natural glazes, pigments and clay, are fired in handmade kilns using olive pits, and chiseled by hand into desired shapes and sizes. Because of the natural materials and the artisan production methods, there will be noticeable variations in thickness, size, shade and color. There may even be differences in the same color across different sizes of zellige. If you want a uniform looking glazed tile, zellige may not be right for your project!

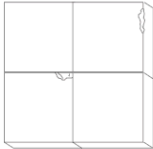
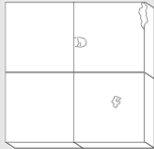

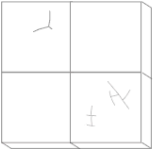



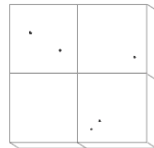
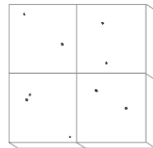
The following is a guide for the different degrees of variation that we have assigned our tiles:

Our Zellige tiles, with a few exceptions, are rated 'level 3 medium' for color variation, 'level 3 medium' for texture variation, and 'level 3 heavy' for size variation. The exceptions are unglazed Natural which is rated 'level 2 slight' for color variation, and Shattered Pearl and Tea Ceremony that are rated 'level 4 heavy' for color variation.

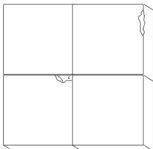
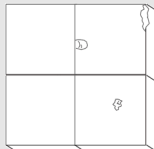
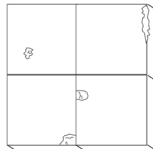
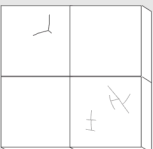
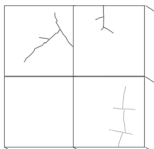

CATEGORY	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5
COLOR VARIATION	 <p>low</p>	 <p>slight (natural)</p>	 <p>medium</p>	 <p>heavy (shattered pearl, tea ceremony)</p>	 <p>extreme</p>
TEXTURE VARIATION	 <p>smooth</p>	 <p>slight</p>	 <p>medium</p>	 <p>heavy</p>	n/a
SIZE VARIATION	 <p>slight</p>	 <p>medium</p>	 <p>heavy</p>	 <p>extreme</p>	n/a

IMPERFECTIONS

Glazed tiles: Our glazed Zellige tiles are rated 'level 2 prevalent' for both pits/chips and cracks/crazing, with the exception of Argan Brown, Battled Armor, Charred Cedar, Midnight Port and Scribes' Ink which are rated 'level 3 heavy'. For iron spots all glazed tiles are rated 'level 1 will occur'.

	LEVEL 1	LEVEL 2	LEVEL 3
PITS/CHIPS	 will occur	 prevalent	 heavy
CRACKS /CRAZING	 will occur	 medium	 heavy
IRON SPOTS	 will occur	 medium	 heavy

Unglazed tiles: Unglazed (Natural) zellige tiles are rated 'level 2 prevalent' for pits/chips, and 'level 1 will occur' for cracks.

	LEVEL 1	LEVEL 2	LEVEL 3
PITS/CHIPS	 will occur	 prevalent	 heavy
CRACKS	 will occur	 medium	 heavy

FLOOR RATING

Zellige tiles are rated III (can be used for light commercial foot traffic).

I light residential

for residential areas with light foot traffic. examples can include bathroom, bedroom, formal dining and living rooms. please note the following:

- not suitable for shoes with hard sole profiles (cleats, stilettos, etc.)
- the floor must be kept clean from abrasive debris (gravel, mud, salt, etc.)
- immediately clean all stains (food, personal and household care products, oils, paints, chemicals etc.)

II heavy residential

for residential areas with continuous foot traffic. examples can include entry, hallway, kitchen, foyer, laundry and mud rooms. please note the following:

- the floor must be kept clean from abrasive debris (sand, gravel, mud, salt, etc.)
- immediately clean all stains (food, personal and household care products, oils, paints, chemicals etc.)

III light commercial

for commercial areas with light foot traffic. examples can include commercial office, doctor's office, and boutique. please note the following:

- the floor must be kept clean from abrasive debris (sand, gravel, mud, salt, etc.)
- immediately clean all stains (food, personal and household care products, oils, paints, chemicals etc.)

IV heavy commercial

for commercial areas with continuous foot traffic. examples can include hotel lobby, retail, corridors in an office building, shopping mall and restaurant. please note the following:

- the floor must be kept clean from abrasive debris (sand, gravel, mud, salt, etc.)
- immediately clean all stains (food, personal and household care products, oils, paints, chemicals etc.)

V industrial

standard industrial floor use with no extreme, heavy breakage or spillage. examples can include restaurant kitchen, bar work area, winery production, exterior hotel entry, airport, car showroom, driveway. please note the following:

- the floor must be kept clean from abrasive debris (sand, gravel, mud, salt, etc.)
- immediately clean all stains (food, personal and household care products, oils, paints, chemicals etc.)

PRODUCT FINISH

The finish on your glazed Zellige tiles will range from eggshell to gloss.

MATTE	EGGSHELL	SATIN	SEMI-GLOSS	GLOSS
non-reflective, subtle texture	soft sheen, subtle texture	luminous, smooth texture	moderate reflectiveness	reflective, high sheen

PRODUCT DESCRIPTION

Handmade, glazed terracotta tiles.

PRODUCT COMPONENTS

Clay, glaze, pigments.

PITTING, CRACKING & CHIPPED EDGES

Note that due to the firing methods and raw materials used to create glazed clay tiles, your order of Zellige will have a percentage of tiles greater than 15% with cracks, iron spots, crazing, edge-chipping and pits through the glaze to the clay body.

If these imperfections do not fit your project's needs we recommend ordering more than 15% overage. This allows your contractor to cherry-pick these imperfections from your order.

DIMENSIONS

Square	5 cm x 5 cm x .95 cm (2" x 2" x ³ / ₈ ") / .04 kg per tile (.09 lbs) 10 cm x 10 cm x .95 cm (4" x 4" x ³ / ₈ ") / .20 kg per tile (.44 lbs)
Bejmat	5 cm x 5 cm x 1.9 cm (2" x 6" x ³ / ₄ ") / .23 kg per tile (.50 lbs)
Hexagon	8.9 cm x 10 cm x .95 cm (3.5" x 4" x ³ / ₈ ") / .14 kg per tile (.31 lbs)

* Please note all dimensions are nominal, and can vary +/- 1/4".

Measurements for 2" x 6" bejmat tiles are closer to 1 ³/₄" x 5 ¹/₂".

AVERAGE COEFFICIENT OF FRICTION (DCOF ACUTEST)

Unglazed zellige 4"x4" avg. 0.80

Glazed zellige 4"x4" avg. 0.25

*Application of an anti-slip sealer or treatment can help increase slip resistance.

Per ANSI A326.3, interior floors intended to be walked on when wet should have a DCOF of at least 0.42, while exterior floors intended to be walked on when wet should have a DCOF of at least 0.60

FREEZE/THAW RESISTANCE (ASTM C1026)

Zellige tiles are not freeze/thaw resistant.

WATER ABSORPTION (ASTM C373)

Unglazed zellige: avg. 21.9%; non-vitreous

Glazed zellige: avg. 22.9%; non-vitreous

ACID RESISTANCE

Zellige tiles are not resistant to acids and should be cleaned with pH neutral cleaners.

LEED CREDITS

The product is an inherently non-emitting source of VOCs (stone, ceramic, metals, powder-coated metals, plated or anodized metal, glass, cement, clay brick, and unfinished or untreated solid wood) and has no integral organic-based surface coatings, binders, or sealants.

Zellige tiles are considered ‘inherently non-emitting sources’ under the Low-emitting Materials Credit of LEEDv4/v4.1. This is currently the only credit for our Zellige tile that is eligible to be used toward LEED.

‘Inherently non-emitting’ means that these tile types have been shown to not contribute emissions to indoor environments and are therefore exempt from demonstrating compliance with CDPH v1.1-2010 or CDPH v1.2-2017. Use of these tiles as Wall or Flooring materials should be entered in the LEED v4.1 low-emitting materials Calculator and identified as ‘inherently non-emitting’ in the Products Tab (Column L).

Disclosures for MR Credit Material Ingredient Disclosures under LEEDv4/v4.1, are not available at this time. We are exploring our disclosure options and have not established a timeline for completion.

Disclosures for MR Credit Environmental Product Declarations under LEEDv4/4.1, are not available at this time. We are exploring our disclosure options and have not established a timeline for completion.

Contribution to MR Credit Material Sourcing under LEEDv4/v4.1, does not apply as there is no recycled content, no bio-based materials, no wood, no reused products included in our tile at this time. Extended producer responsibility programs are highly difficult to manage given the nature of end-of-use tile removal methods. *Tile can last hundreds of years but fashions often change, which is the dominant reason for its removal. We work hard to ensure our stone tiles can withstand the test of time while remaining timeless.*

RECYCLED CONTENT

There is no recycled content in our zellige tiles at this time. See Material Sourcing disclosure above.

PERCENTAGE OF PRE-CONSUMER AND/OR POST-CONSUMER MATERIALS

There is no pre-consumer or post-consumer material content in our tiles at this time. See material sourcing disclosure above.

FIRE RATING

Typically, ceramic tile does not need to have fire rating testing performed. It is our understanding from TCNA that the explanation that ceramic is inorganic, inert, and typically free of materials that could burn or produce smoke is generally enough to satisfy a specifier and that testing is not necessary. Also, the temperatures observed in the testing are typically lower than the temperatures at which ceramic tiles are fired.

Zellige is a ceramic tile and falls under the description, “because ceramic tile is non-flammable and does not produce smoke in a fire, it inherently meets the flame spread and smoke development requirements of Section 803 of the International Building Code (IBC) for interior wall and ceiling materials.”