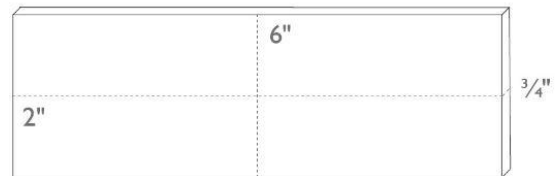
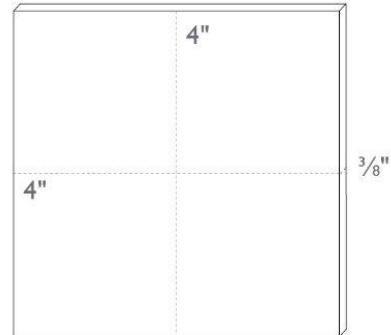


GOLD & PLATINUM ZELLIGE

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



Standard thickness for bejmat tiles is 3/4", and 3/8" for 4"x4" zellige.

Please note all dimensions are nominal. Additionally, dimensions between tiles can vary +/- 1/4 inch.

*There are specific installation requirements for this usage. Read more information under the installation, sealing, grout, and wet area application sections of this document.

GOLD & PLATINUM ZELLIGE

INSPECTING YOUR SHIPMENT

- All Gold & Platinum Zellige tiles are made by hand, therefore variation in thickness, depth, color, shade, and size is to be expected, as are crazing and small cracks, pits and chips.
- **IMPORTANT:** Due to the color and shade variations, it is very 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. Do not install without blending tiles from all boxes. It is possible that your sample will not be a perfect match with your actual order or that your add-on order will not be a perfect match to your first order.
- Industry standard suggests adding at least 15% overage due to tile cuts, potential breakage, or future repairs.
- Dust and residue from shipping should be cleaned prior to installation. This is typically done as tile is being set with a quick dip of each tile into a water bath.

INSTALLATION

- As is standard in the tile industry, 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. Do not install if you have any doubts about visible issues. Misuse by contractor or end-user including but not limited to negligence, physical and/or chemical abuse is not covered by clé's warranty.
- Tile is merely the surface of your construction. Installation problems will arise from substrate or construction engineering and/or installation issues. Please refer to your project architect, structural engineer and/or installer to have the best results for your tile finish.
- clé's guides are only to help direct you in the right path for a proper installation. Each project is unique and therefore requires a professional who can provide the exact specifications for your project.
- 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 for specifications.
- Prior to installation, dampen the tiles before setting by quickly dipping tiles in water for 2-3 seconds.
- Be sure to have 95% or more adhesive on the back of the tile to ensure the best bond when setting the tile.
- **IMPORTANT:** Mortar may damage the delicate surface of the tile. Be sure to work cleanly, carefully and in small areas at a time.
- To increase slip resistance in wet area applications (especially shower floors), we recommend broadening the grout joint size on the setting of the pan tiles, vertical staggering of the tile layout, laying out the tile in a herringbone pattern, or alternatively cutting the tile into smaller 2x2" pieces.
- To accommodate variations in tile sizes, wedge spacers should be used when needed to keep tile lines straight.
- Trim is not part of Zellige. Trim, in general, is not a tradition for tiles outside of the U.S. and specifically for tiles that have an ancient history.
- For jobs requiring a finished edge—we recommend the traditional craft of trimming tiles. Please see our separate trim guide illustrating how to finish zellige without trim.

- For turning corners and for mud-set tiles, we recommend mitering your tiles. This provides a beautiful corner finish and in the case of a mud-set requiring a quarter round—this substitutes the quarter round finish with a squared miter finish.
- For finishing edges on a vertical surface, we recommend either mitering the tiles to cover the edges and setting materials (as stated for turning corners and for mud-sets) or we recommend building up your sheetrock surface to allow the plane of the Zellige to be on the same plane as your sheet-rocked wall.
- **IMPORTANT:** Gold & Platinum Zellige tiles should not be placed where heat is directed onto them (inside fireplaces, pizza ovens and oven venting). If you are wanting to install Zellige behind a stove range/oven vent, we recommend that there is at least a 4" metal splash (provided by the range manufacturer) between the tile and the vent in order to minimize staining.
- If installing next to something very hot like an industrial pizza oven, you should install the tile at least 6" away.
- **IMPORTANT:** DO NOT USE TAPE during product installation, or otherwise. We cannot guarantee our products safety against various construction tapes— INCLUDING BLUE TAPE.
- During installation, only soft cloths are recommended for cleaning the tile surface as well as for ongoing maintenance.

SEALANT

- clé only recommends the use of Miracle 511 Porous Plus for an invisible sealant finish.
- In the case that your installation is being grouted with a contrasting grout color vs. a matching one, then you should seal all tiles with visible crazing before grouting because crazing absorbs the dye from the contrasting grout. The sealant will dry on the tile surface and can be rubbed off with a finger once it is completely dry.
- Dry applications of glazed Zellige do not need to be sealed as the final step of installation.
- In backsplash, shower and waterline applications, tiles with visible crazing must be sealed as the final step of installation as well as all grouted areas. Sealant will not penetrate the glazed tile surface but it will protect crazing or etching that reaches the clay body.
- If your contractor is having any issues or questions regarding this sealant, please have them reach out to Miracle tech support directly, as they are the best and fastest line of resolution.
- PLEASE FOLLOW ALL MIRACLE SEALANT INSTRUCTIONS FOR BEST RESULTS as well as MAINTENANCE UPKEEP RECOMMENDATIONS.*
- * **HINT:** if water and oil do not bead up on the surface of your tiles and/or grouted areas then the sealant was not applied properly.

GROUT

- clé ONLY recommends Mapei Flexcolor cq grout for Gold & Platinum Zellige. Make sure to always follow the manufacturer's instructions. Letting the grout sit on the tile surface for even a short period of time can be problematic.
- Because all Zellige is hand cut into the individual tiles after firing, they are crafted to allow for a very tight grout joint.

- clé recommends a 1/16" grout joint.
- To accommodate variations in tile sizes, wedge spacers should be used when needed to keep tile lines straight.
- Grout is customarily used to fill any gaps left by wedge spacers between tiles as well as any pits, chips or cracked portions of Zellige.
- 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 foolproof grout color selection for any of your clé tiles.
 - First, have your professional tile contractor complete your tile installation, except for the grout portion.
 - Next, when ready to grout, ask your contractor to bring ALL grout color charts from his preferred grout manufacturers, 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.
- Note that the full Mapei Flexcolor cq color catalogue contains 40 colors to choose from. Visit the Mapei website to view.
- If you are working with a highly color-variegated tile or a combination of tiles (checkered or otherwise), we recommend that you follow the above recommendations—but match your grout to the color in your varied tile or tile combination that you would most like to accentuate.
- **IMPORTANT:** If zellige tiles are being grouted with a contrasting grout color vs. a matching one, all pits, chips and cracks will be filled with grout and become more visible.
- For backsplashes and similar applications, make sure to apply grout in pits and chips but avoid getting any grout on the plain tile surface unless there is visible crazing.
- Because of the precious glazed surface, Gold & Platinum Zellige tiles require finger grouting.
- We recommend working in small areas and carefully finger grouting to keep grout in the joints and off the surface of the decorative tiles.
- You may find it easiest to employ this grouting method by using a grout bag for applying the grout into the joint and finalizing the grout finish with your finger or a soft, microfiber cloth.
- As you work in small areas, gently remove excess grout immediately with a clean, damp microfiber cloth ONLY. Do not allow excess grout to dry on the surface.
- **IMPORTANT:** do not attempt to mask off tiles with tape, especially blue painters tape that can damage any tile surface, but particularly delicate finishes such as gold and platinum zellige.
- Once a Gold & Platinum Zellige installation has been completely grouted, it is required that the installer clean any residual grout off of the surface of the tiles carefully while the grout is still wet. **KEEP YOUR SURFACE CLEAN.**
- Most installation issues arise when the installer has not properly cleaned the surface of the tiles after the grouting process. If the installer uses a typical grout scrub, they will damage the precious glaze. Do not use a grout scrub—we ONLY recommend using a damp microfiber cloth.
- If the installer leaves a significant grout film on the surface of the tiles, it will mask the precious glaze. A grout film will not occur if the tile installer has finger grouted, as recommended.

- Clients using any of the latest permacolor grouts should take note that permacolor grout dries more quickly than common grouts. Therefore, extra care should be taken to ensure that the grout is NOT applied to the surface of the tile before it begins its immediate drying. Additionally, the working consistency of permacolor grout makes it more difficult to finger grout.
- Follow grout manufacturer's instructions on proper drying time before applying final sealant.
- If your contractor is having any issues or questions regarding this grout, please reach out to Mapei tech support directly at 1-800-992-6273 as they are the best and fastest line of contact.
- Should your contractor choose to use another brand of grout other than Mapei Flexcolor cq, be aware that the dyes used to pigment most grouts will stain the tile.
- If your contractor selects brands other than Mapei grout or Miracle sealant, please have them reach out to the respected representatives of those manufactures for advice and support on failures.
- **IMPORTANT:** During grout application, immediately remove any excess grout off the face of the tile with a clean, damp soft cloth.

INSTRUCTIONS FOR INSTALLATIONS CONTAINING GLAZED, UNGLAZED, AND GOLD/PLATINUM ZELIGE (ESSAOURIA BUNDLE INSTRUCTIONS)

Sealing pre-grouting

- clé only recommends the use of Miracle 511 Porous Plus for an invisible sealant finish.
- In the case of installations containing gold / platinum, glazed, and unglazed zellige (as with our Essaouria lustre blend), glazed zellige portions of the installation should be sealed before grouting only if the tile has visible crazing, pits and/or chips. Avoid getting sealant on Gold and Platinum tiles. In case of accidentally sealing Gold and/or Platinum with Miracle 511 Porous Plus, it can be rubbed off with a finger once it has dried. All unglazed portions should be sealed due to the porous nature of the tile.
- In the case that your installation is being grouted with a contrasting grout color vs. a matching one, then you should also seal all glazed tiles before grouting because many tiles may have crazing without it being visible to the eye and would only come out with the grouting of the tiles as the invisible crazing absorbs the dye from the contrasting grout.
- **IMPORTANT:** Please be sure to read additional information on pre-grouting sealing in our "Gold & Platinum Zellige" and "Zellige" installation and maintenance guides.

Grouting

- clé ONLY recommends Mapei's Flexcolor cq grout for mixed zellige. Make sure to always follow the manufacturer's instructions.
- Note that the gold/platinum areas of your mixed zellige installation should be finger grouted. We recommend working in small areas and carefully finger grouting to keep grout in the joints and off the surface of these decorative tiles. You may find it easiest to employ this grouting method by using a grout bag for applying the grout into the joint and finalizing the grout finish with your finger or a soft, microfiber cloth.

- As you work in small areas, gently remove excess grout immediately with a clean, damp microfiber cloth **ONLY**. Use a “clean as you go” approach to spreading and washing the grout, to ensure that cleaning begins before the grout skins over and dries on the tile surface.
- Do not allow excess grout to dry on the surface. Letting the grout sit on the Gold & Platinum tile surface for even a short period of time can be problematic. Once the installation has been completely grouted, it is required that the installer clean any residual grout off of the surface of the tiles carefully while the grout is still wet. **KEEP YOUR SURFACE CLEAN.**
- **IMPORTANT:** Please be sure to read additional information on grouting in our "Gold & Platinum Zellige" and "Zellige" installation and maintenance guides.

Sealing post-grouting

- For all applications of the mixed types of zellige, like the Essaouria lustre blend, seal the entire installation as a final step of installation (read note about sealant on Gold/Platinum in the “Sealing pre-grouting” section above). This is to avoid staining and to allow for easier cleaning.
- **HINT:** If water and oil do not bead up on the surface of your tiles and/or grouted areas then the sealant was not applied properly.
- **IMPORTANT:** Please be sure to read additional information on post-grouting sealing in our "Gold & Platinum Zellige" and "Zellige" installation and maintenance guides.

WET AREA APPLICATION

Gold & Platinum tiles can be installed on backsplashes, showers as well as pool and fountain water lines*. Do not install if your tile has visible crazing.

When installing, make sure these specific waterproofing precautions are taken:

- A waterproof membrane is used under the tile and a water resistant, penetrating sealer (Miracle Sealant 511 Porous Plus) is used to seal the grouted areas and any grouted pits and chips on the tile surface.
- To increase slip resistance in wet area applications (especially shower floors), we recommend broadening the grout joint size on the setting of the pan tiles, vertical staggering of the tile layout, laying out the tile in a herringbone pattern, or alternatively cutting the tile into smaller 2x2” pieces.
- Single coat reapplication of the penetrating sealant is required once a year due to the continuous exposure to water. This includes all grouted areas.
- For pool and fountain water lines, contact Mapei at 1-800-992-6273 (U.S. and Puerto Rico) or 1-800-361-9309 (Canada) and Miracle Sealant tech support directly at 1-877-385-8155 for best waterproofing application methods, installation suitability and maintenance requirements.

*We only recommend non-freeze thaw locations for pool and fountain water lines.

EXTERIOR INSTALLATIONS

- **IMPORTANT:** Zellige tiles are not freeze thaw rated. We do not recommend and cannot warrant installing these outdoors in areas that regularly experience freezing temperatures*
- * If you plan on installing these outdoors in areas that experience freeze/thaw, we cannot guarantee there won't be installation failures. Installations in freeze/thaw locations require flashing the top of vertical installations to prevent moisture from dripping behind the installation.

Oftentimes there are installation failures because the specific installation guidelines are not properly followed. But if completed and maintained correctly (see manufacturer's instructions) then you can proceed **WITH CAUTION**.

If you can comply with all of the above then it's up to you to proceed with installing this tile in a freeze/thaw location. We recommend your contractor reach out to Mapei tech support for installation support with questions about grout.

FLOOR USAGE

- Due to their precious glaze, we generally only recommend Gold & Platinum Zellige tiles for decorative wall usages.
- However, they have been used for a decorative application on a portion of a clé office floor that doesn't receive very much foot traffic.
- These tiles are made under a very specific firing process which maintains its 24K precious finish—please be aware that over time the surface will eventually wear down with any type of friction (even from light foot traffic, furniture, etc).
- If you choose to install these tiles on a floor, a means for people to clean abrasive materials off their shoes before walking on a Gold & Platinum Zellige floor should be provided.
- If the application is on a residential floor we recommend people remove their shoes completely to avoid further friction.
- Non-slip mats or area rugs should be placed inside and outside entrance ways to remove abrasive materials that can scratch and dirty the tile surface.

CLEANING

- Wall applications require minimal maintenance. Only a very soft cloth and water should be used to softly clean this surface. Soaps and anything abrasive can remove the finish. Do not use paper towels.
- Immediately clean up spills—do not allow liquids to sit on the tile surface. Excess liquid can stain, pit and crack tile.
- Carefully pick up any abrasive materials that can scratch and dirty the tile surface.
- Always avoid soap, harsh chemicals and acidic or alkaline products.

GOLD & PLATINUM ZELLIGE SPECIFICATIONS

What’s in our tile: Zellige is a tile that has retained its ancient and archaic tile making process and, therefore, has all the primitive qualities that have become synonymous with the moniker - Zellige. Essentially, a glazed terracotta tile; hand hewn, 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, shade/size variations and chipped edges—it’s not Zellige.

The latest addition to our zellige collection is the ultimate neutral: gold and platinum. We took rustic hand crafted clay tile and hand painted it with a layer of 24 karat gold and platinum respectively to create a rich, molten, metallic finish. To be used discerningly— a little glimmer goes a long way

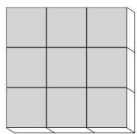
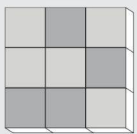
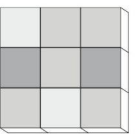
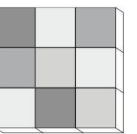
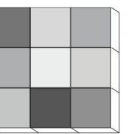
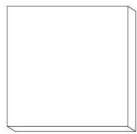
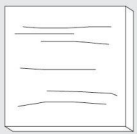
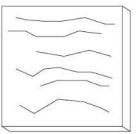
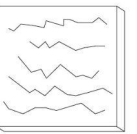
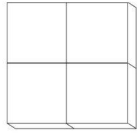
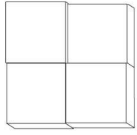
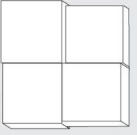
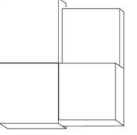
COLOR, TEXTURE AND SIZE VARIATION

Gold & Platinum Zellige tiles are rated 'level 2 slight' for color variation, 'level 2 slight' for texture variation, and 'level 3 heavy' for size variation.

Due to the handmade craftsmanship of many of our tiles and the variety of materials used, there are degrees of variation in our tiles color, shade and texture. These differences are more pronounced in certain types of tiles than others, especially in tiles from separate production lots, or “batches”. It is possible that your sample will not be a perfect match with your actual order or that your add-on order will not be a perfect match to your first order.

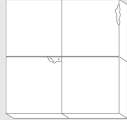
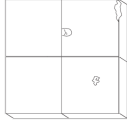
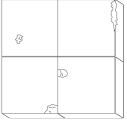

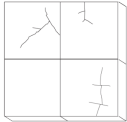

The following is a guide for the different degrees of variation that we have assigned our tiles:

Gold & Platinum zellige is rated 'level 2 slight' for color and texture variation, and 'level 3 heavy' for size variation.

CATEGORY	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5
COLOR VARIATION	 low	 slight	 medium	 heavy	 extreme
TEXTURE VARIATION	 smooth	 slight	 medium	 heavy	n/a
SIZE VARIATION	 slight	 medium	 heavy	 extreme	n/a

Imperfections

Gold & Platinum zellige is rated 'level I light ' for pits/chips and cracks/crazing.

	LEVEL 1	LEVEL 2	LEVEL 3
PITS/CHIPS	 light	 medium	 heavy
CRACKS / CRAZING	 light	 medium	 heavy

FLOOR RATING

Gold & Platinum Zellige are rated I (can be used for light residential foot traffic).

IMPORTANT: The tiles should be maintained as specified in the 'floor usage' section of this guide.

Disclaimer: Due to their precious glaze, we generally only recommend Gold & Platinum Zellige tiles for decorative wall usages. However, they have been used for a decorative application on a portion of a clé office floor that doesn't receive very much foot traffic. These tiles are made under a very specific firing process which maintains its 24K precious finish - please be aware that over time the surface will eventually wear down with any type of friction (even from light foot traffic, furniture, etc). Additionally, the finish has very specific requirements for cleaning. Because it is such a delicate finish please take note to forewarn housekeeping services of maintenance requirements.*

*Please see more details under the Floor Usage and Cleaning sections.

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 DESCRIPTION

Gold & Platinum Zellige are handmade, glazed terracotta tiles.

PRODUCT COMPONENTS

Clay, 24K precious metals

PITTING, CRACKING & EDGE-CHIPPING

Due to the firing methods and raw materials used to create glazed clay tiles, your order of Zellige will be affected by some small pits and chips as well as crazing.

DIMENSIONS

Square	10cm x 10cm x .95 cm (4" x 4" x 3/8") / .20 kg per tile (.44 lb)
Bejmat	5 cm x 15 cm x 1.9 cm (2" x 6" x 3/4") / .23 kg per tile (.50 lb)

* Please note all dimensions are nominal. Additionally, dimensions between tiles can vary +/- 1/4 inch.

AVERAGE COEFFICIENT OF FRICTION (DCOF ACUTEST)

N/A

FREEZE/THAW RESISTANCE (ASTM C1026)

Zellige tiles are not freeze/thaw resistant.

WATER ABSORPTION TEST (ASTM C373)

Glazed zellige: avg. 22.9%; non-vitreous.

ACID RESISTANCE

Gold & Platinum Zellige tiles are not resistant to acids and should only be cleaned with water and a soft cloth.

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.” Please follow the link for a TCNA document supporting this and many other positive attributes to using ceramic tiles. [TCNA Bulletin: Ceramic Tile for a Safe & Healthy Home](#)

