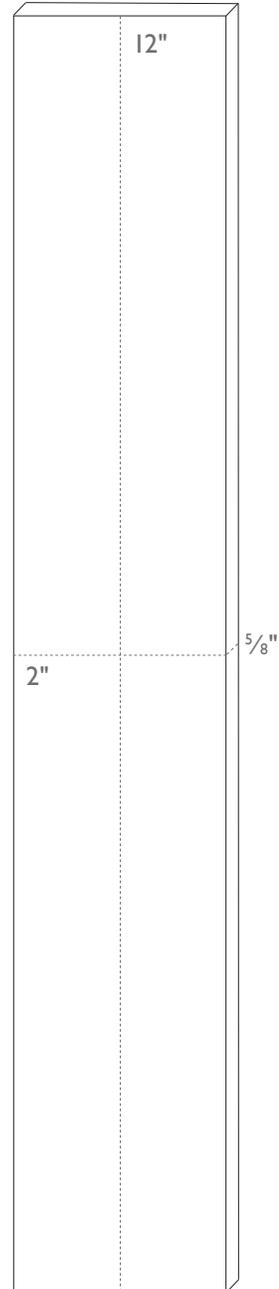


ARCHITECT'S PALETTE

USAGE	Y/N
interior floor	Y*
interior wall	Y*
exterior floor	N
exterior wall	Y*
residential light traffic	Y
commercial light traffic	N
radiant heating compatible	Y
fireplace surround	Y
shower	Y*
steam shower	N
fountain	N
freeze thaw	N
pool	N
heat resistant	Y
sink backsplash	Y*
stove backsplash	Y*
grout type	flexcolor cq
grout joint size	1/4"
UV resistant	Y



Standard thickness for Architect's Palette is 5/8". Please note all dimensions are nominal and can vary plus or minus 1/4".

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

ARCHITECT'S PALETTE—TRADE

INSPECTING YOUR SHIPMENT

- All Architect's Palette tiles are made by hand and will show slight crazing, light textural variation but no color variation in the glaze.
- **IMPORTANT:** Due to the slight variation, 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.
- 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.

INSTALLATION

- 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.
- 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.
- 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.
- **IMPORTANT—REVIEW BEFORE SETTING:** Cutting Architect's Palette tiles with a wet saw can enhance the crazed finish of the glaze. This happens because the slurry, created from the tile dust mixed with water, settles into the cracks on the surface of the glaze. **To avoid enhancing the crazed finish, we recommend dry cutting the tile.**
- To ensure proper bonding when setting, we recommend lightly wiping the back of each tile if there is excessive dust.
- Be sure to have 95% or more adhesive on the back of the tile to ensure the best bond when setting the tile.
- **DO NOT USE TAPE** during product installation, or otherwise. We cannot guarantee our products' safety against various construction tapes—**INCLUDING BLUE TAPE.**
- To accommodate variations in tile sizes, wedge spacers should be used when needed to keep tile lines straight.
- 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 or laying out the tile in a herringbone pattern.

SEALANT

- clé only recommends the use of [Miracle 511 Porous Plus](#) for an invisible sealant finish.
 - Always test sealers in a small area to ensure it provides the finish you prefer.
 - For Architect's Palette, you must apply sealant or a grout release before and after grouting to minimize risk of grout haze and to allow for easy clean up.
 - **IMPORTANT:** If Architect's Palette is being grouted with a contrasting grout color vs. a matching one, then you should also seal 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.
 - Architect's Palette tiles should be sealed for all applications (dry and wet) to maintain their appearance and avoid staining. Both the tile surface and grouted areas should be sealed as the final step of installation.
 - 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 then the sealant was not applied properly.

GROUT

- clé ONLY recommends [Mapei Flexcolor CQ](#) grout to reduce the risk of grout haze and staining. Make sure to always follow the manufacturer's instructions. Letting the grout sit for even a short period of time can be problematic.
- clé recommends a 1/4" grout joint.
- 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.
- **IMPORTANT:** If Architect's Palette tiles are being grouted with a contrasting grout color vs. a matching one, then you must also apply a penetrating sealant or grout release prior to grouting in order to minimize the possibility of the contrasting grout curing in the inherent hairline cracks.
- 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.

STAINING

- Grout staining is only a problem if the guidelines set for Flexcolor CQ by Mapei aren't followed properly.
- Please make sure to follow the Mapei Flexcolor CQ [application and cleanup instructions](#) to avoid the risk of staining/grout haze and to allow for easy application and cleanability. Read all installation instructions thoroughly before use. Using consistent application procedures will produce consistent results.
- Some of these procedures for Mapei Flexcolor CQ include:
 - During grout application, immediately remove any excess grout off the face of the tile with a clean, damp cloth/sponge.
 - 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.
 - Grout small areas of between 30 to 40 sq. ft. (2.79 to 3.72 m²) at a time, so that cleaning can begin before the grout skins over and dries on the tile surface.
 - Change your water bucket frequently to prevent the development of a haze on the tile surface.
- Grout haze left by Mapei Flexcolor CQ can be removed with Mapei Ultracare Heavy-Duty Stone, Tile & Grout Cleaner.
- 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 can 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.

EXTERIOR INSTALLATIONS

- **IMPORTANT:** Architect's Palette tiles are not freeze thaw rated. Therefore 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. In addition, the installation must be completely sealed and maintained with a weather and water resistant sealant like Miracle 511 Porous Plus.

With application of Miracle Sealant, these tiles can have resistance to freeze/thaw issues. However, oftentimes there are installation failures because the specific installation guidelines and sealant maintenance is 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 and understand that without the sealant your install won't hold up—then it's up to you to proceed with installing this tile in a freeze/thaw location. We recommend your contractor reach out to both Mapei tech support for installation support and Miracle Sealant tech support on the waterproofing of the tiles.

MAINTENANCE

- Over time the tile will develop a crackled patina. Please note this is an intrinsic characteristic of Architect's Palette.
- Floor installations of Architect's Palette can only withstand residential light traffic and will develop a crackled patina as it is maintained and naturally wears.
- Single coat reapplication of the penetrating sealant is required once a year on all grout lines in shower applications due to the continuous exposure to water.
- For showers, opening windows/doors to help some of the moisture dissipate faster after use will help rid extra moisture.
- For superior water repellency in showers we recommend applying Miracle 511 Impregnator sealant in addition to 511 Porous Plus.
- Check with the Miracle Sealant tech support directly at 1-877-385-8155 for best advice on applying and maintaining sealants.

CLEANING

- Glazed terracotta tiles require minimal maintenance. Mild, pH neutral soaps should be sufficient for most cleaning—test before general use.
- Clean using soft materials, like a cloth, instead of coarse materials.
- Always avoid harsh chemicals and acidic or alkaline cleaning products.
- Immediately clean up spills—do not allow liquids to sit on the tile surface. Excess liquid and moisture can stain, pit and crack tile—even when properly sealed.
- Vacuum or sweep regularly—abrasive dirt and materials can scratch the surface.
- 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.
- Mop floors when necessary with warm, clean water and pH neutral cleaner.
- Interior wall installations can be cleaned with warm water and damp microfiber cloth.
- Shower installations should be squeegeed after each use to prevent hard water stains, soap scum and mildew.
- clé recommends the use of Miracle Porcelain & Ceramic Tile Cleaner to remove stubborn stains, grease build up, soap scum, hard water deposits and everyday grime.
- Miracle Tile & Stone Cleaner is effective as an ongoing maintenance cleaner and is gentle for everyday use.
- Grout lines can be cleaned with warm water and a soft bristled cleaning brush.

ARCHITECT'S PALETTE SPECIFICATIONS

What's in our tile: Architect's Palette is an edited collection of elongated planks of terracotta tile. Coated in a silky matte glaze, these hand-hewn tiles are made of traditional, rustic Italian clay and are available in four architect-honed hues. The traditional "listello" shape was typically used in Italy as a border, but this elongated form is now being used as a field tile. Its linear form is easily converted to an elevated herringbone, stack, and subway pattern and can be used on walls, wet spaces, and floors with light traffic. Over time the tile can develop a crackled patina typical of time-worn Italian tile.

COLOR AND TEXTURE VARIATION

Architect's Palette tiles are rated VI, T2

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".

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

COLOR VARIATION

- V1** low variation
- V2** slight variation
- V3** medium variation
- V4** heavy variation
- V5** extreme variation

TEXTURE VARIATION

- T1** smooth
- T2** light texture
- T3** medium texture
- T4** heavy texture

FLOOR RATING

Architect's Palette is rated I (can be used for light residential traffic only)

- 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	Handmade, matte glazed terracotta tiles.
PRODUCT COMPONENTS	Clay, glaze, pigments
DIMENSIONS	Rectangle 5 cm x 30 cm x 1.6 cm (2" X 12" X 5/8") / .51 kg per tile (1.12 lbs) * Please note all dimensions are nominal and can vary plus or minus 1/4".
AVERAGE COEFFICIENT OF FRICTION (DCOF ACUTEST)	See more information under 'Wet Area Application' in our Architect's Palette installation and maintenance guide.
FREEZE/THAW RESISTANCE (ASTM C1026)	Architect's Palette are not freeze/thaw resistant.
WATER ABSORPTION (ASTM C373)	avg: 17.0%; non-vitreous
ACID RESISTANCE	Architect's Palette 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.

Architect's Palette 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 Architect's Palette 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/v4.1, 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 Architect's Palette 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.

Terracotta 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."

Architect's Palette can be installed on backsplashes and in showers with application of a waterproofing, penetrating sealant.

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 tile surface and grouted areas.
 - 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 or laying out the tile in a herringbone pattern.
 - Single coat reapplication of the penetrating sealant is required once a year on all grout lines in shower applications due to the continuous exposure to water.
 - For superior water repellency in showers, we recommend applying Miracle 511 Impregnator in addition to Miracle 511 Porous Plus.
- * Architect's Palette cannot be used in pools or fountains.
- * Architect's Palette is not recommended for steam shower usage.