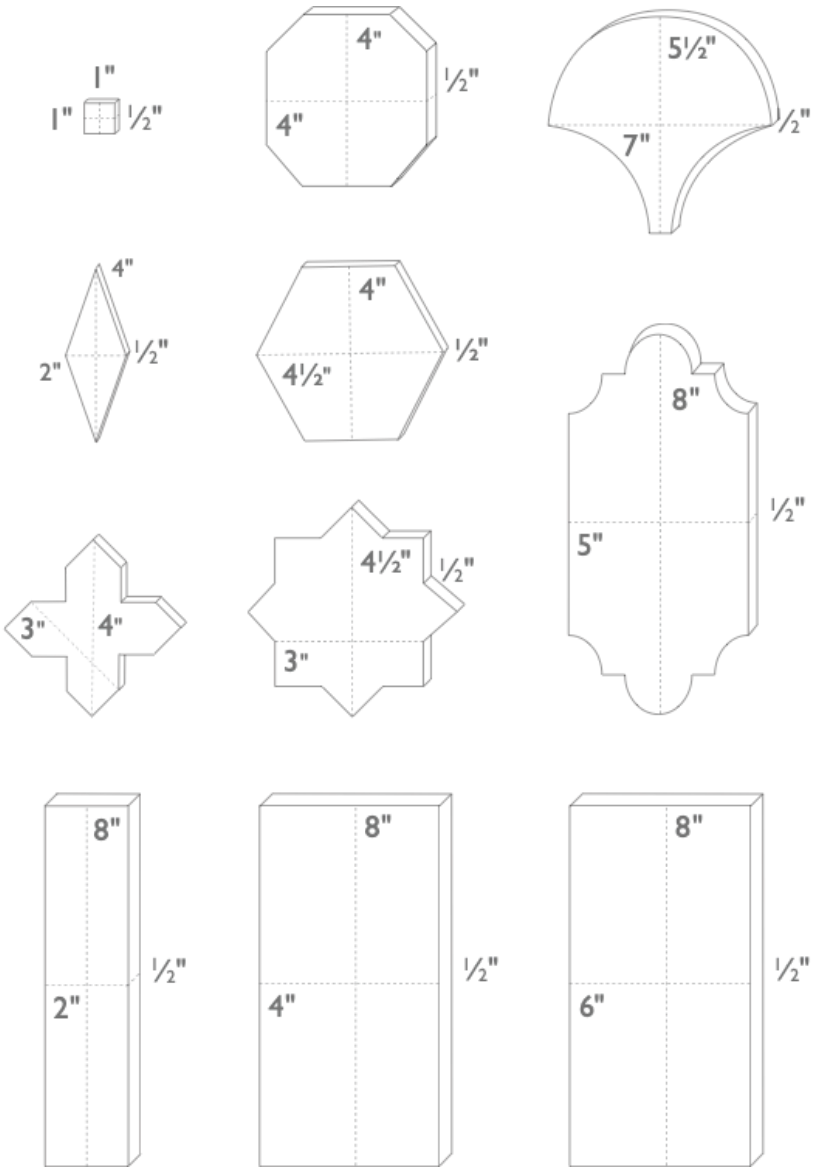
LE SOL

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



standard thickness for all le sol is ½"
please note all dimensions are nominal. please note that measurements can vary +/- ¼ inch
* there are specific installation requirements for this usage. please review the "installation areas" section below, and discuss with your installer.
* there are different grouts for the different looks to be achieved. read more information under the grout sections of this document.

LE SOL

you've got something special. we've always believed in taking ancient traditions and making them relevant (we think essential) to the way we live and design today. le sol is a perfect example: it's classic moroccan terracotta in a broad range of traditional shapes; the relatively smaller sizes make it a natural for walls, backsplashes, and smaller spaces. and don't feel you need to stick to traditional designs: lay it out with larger grout joints and it takes on modern mediterranean look. it's the ultimate creative tool.

expect variation. 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. additionally, flashing or firing marks as well as white calcium deposits on the surface of the tiles are normal and to be expected. 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** - le sol tiles are handmade glazed and unglazed terracotta tiles with color ranging from earthy to something deeper and more burnished. additionally, flashing or firing marks as well as white calcium deposits on the surface of the tiles are normal. ALSO - dust and shipping residue are to be expected and should be cleaned prior to installing.
- **BLEND BLEND BLEND** - due to the variations in color and shade of le sol tiles, 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.
- **ORDER EXTRA!** - industry standard suggests adding at least 15% overage due to tile cuts, potential shipping breakage, or future repairs.
- **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).

- you must apply sealant or a grout release prior to grouting, then seal as recommended in our sealing, maintenance, and care section below.

- please note that le sol tiles are porous and need to be given proper time to dry after each step of installation.

- **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.

- **DO NOT USE TAPE, BLUE TAPE, OR OTHER TAPE** - do not use blue tape or other construction tape during product installation. we cannot guarantee that the tape will not erode or damage our products.

- **WAIT UNTIL YOUR PROJECT IS COMPLETE BEFORE INSTALLING YOUR TILES** - install the tiles as late as possible in the project to minimize the risk of damaging the tile.

- **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 for specifications.

INSTALLATION AREAS

- le sol tiles are radiant heating compatible and can be installed on interior and exterior floors, including heavy residential and heavy commercial traffic areas. for outdoor installations, clé recommends sealing with a water-repellant, penetrating sealer.
  - note: octagon + bouchon bundles containing a glazed bouchon (vert, blanc, or noir) will wear faster as part of floor applications than unglazed le sol tiles. wear on the glaze is to be expected with age.
- le sol tiles can be used on interior and exterior location walls. for outdoor installations, clé recommends sealing with a water-repellant, penetrating sealer.
- le sol tiles are freeze/thaw resistant.
- le sol tiles should not be installed in pools, fountains, or their waterlines.
- le sol tiles are heat resistant and can be used on fireplace surrounds.
- le sol tiles can be installed on backsplashes, in bathrooms, showers with the application of a penetrating, water-repellent sealer.
- le sol tiles can be used as a stove backsplash. please consult with your installer to see if a range splash is required for your installation.

GROUT

- clé recommends a ⅛" grout joint for le sol tile installations.
- clé recommends using mortar and sanded 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.
- for design purposes a larger grout joint can also be used - please refer to our le sol installation blueprints for inspiration.
    - le sol installations with a grout joint size ¾" or larger will require the use of a pointing mortar
    - grout will need to be applied in two steps:
        - grout the joints and push them down with a striking tool so they don't shrink.
        - after the initial application dries, regrout the joints as needed to keep the surface flush.
- 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. we do not generally recommend using grout of a contrasting color, as it will highlight the cracks/crazing found on the tiles, and fill in any pits, and/or chips. 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 your contractor is having any issues or questions regarding this grout, please reach out to the grout manufacturer directly. they are the best and fastest line of contact.

SEALING, MAINTENANCE, AND CARE

- le sol tiles are **very** sensitive to acids. please do not attempt to clean them with vinegar, lemon juice or any common household cleaners other than a gentle ph neutral cleaner.
- 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.**

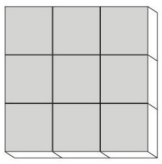
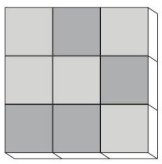
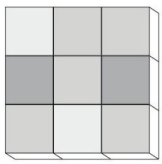
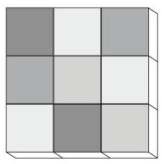
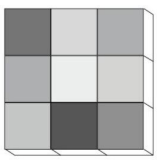
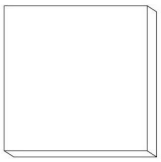
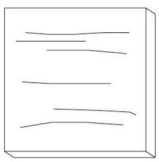
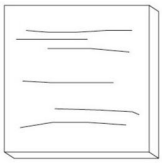
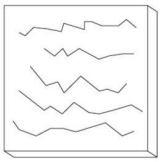
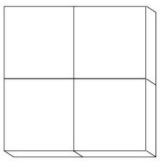
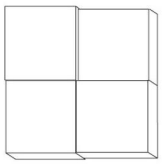
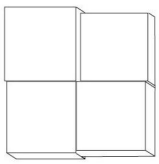
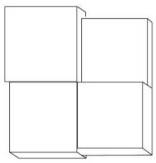
ADDITIONAL SPECIFICATIONS

COLOR, TEXTURE AND SIZE VARIATION

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. additionally, flashing or firing marks as well as white calcium deposits on the surface of the tiles are normal and to be expected. 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!**

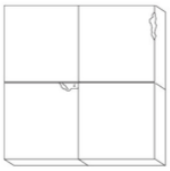
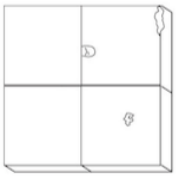
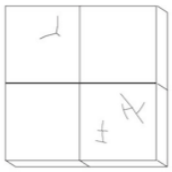
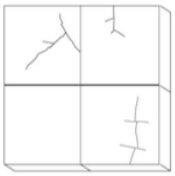
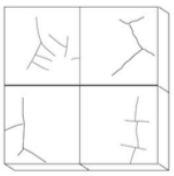
the following is a guide for the different degrees of variation that we have assigned our tiles:

le sol tiles are rated 'level 4 heavy' for color variation, 'level 3 medium' for texture variation, 'level 3 medium' 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

le sol tiles are rated 'level 2 prevalent' for chips and cracks.

CATEGORY	LEVEL 1	LEVEL 2	LEVEL 3
CHIPS	 will occur	 prevalent	 heavy
CRACKS	 will occur	 prevalent	 heavy

FLOOR RATING

le sol tiles are rated IV (can be used for light residential to heavy commercial foot traffic). note: octagon + bouchon bundles containing a glazed bouchon (vert, blanc, or noir) will wear faster as part of floor applications than unglazed le sol tiles. wear on the glaze is to be expected with age.

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 offices, doctor's offices and boutiques. 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, glazed and unglazed red terracotta tiles.

PRODUCT COMPONENTS

clay, glaze, pigments.

DIMENSIONS

SHAPE	DIMENSIONS	WEIGHT
GRAND LANTERN	12 cm x 20 cm x 1.2 cm (5" x 8" x ½")	0.63 kg per tile (1.4 lb)
GRAND SCALLOP	14 cm x 18 cm x 1.2 cm (5 ½" x 7" x ½")	0.57 kg per tile (1.26 lb)
GRAND PLANK	5 cm x 20 cm x 1.2 cm (2" x 8" x ½")	0.33 kg per tile (0.74 lbs)
GRAND RECTANGLE	10 cm x 20 cm x 1.2 cm (4" x 8" x ½")	0.67 kg per tile (1.47 lbs)
GRAND RECTANGLE	15 cm x 20 cm x 1.2 cm (6" x 8" x ½")	1.0 kg per tile (2.21 lbs)
PETIT HEX	10 cm x 11.4 cm x 1.2 cm (4" x 4 ½" x ½")	0.29 kg per tile (0.63 lbs)
PETIT DIAMOND	5 cm x 10 cm x 1.2 cm (2" x 4" x ½")	0.11 kg per tile (0.25 lbs)
PETIT STAR	7.6 cm x 11.4 cm x 1.2 cm (3" x 4 ½" x ½")	0.22 kg per tile (0.49 lbs)
PETIT CROSS	7.6 cm x 10 cm x 1.2 cm (3" x 4" x ½")	0.18 kg per tile (0.40 lbs)
PETIT OCTAGON	10 cm x 10 cm x 1.2 cm (4" x 4" x ½")	0.29 kg per tile (0.63 lbs)
PETIT BOUCHON	2.5 cm x 2.5 cm x 1.2 cm (1" x 1" x ½")	0.04 kg per tile (0.10 lbs)

* please note all dimensions are nominal and can vary +/- ¼".

AVERAGE COEFFICIENT OF FRICTION (DCOF ACUTEST)

SHAPE	WET DCOF
PETITE HEX	0.63 (exterior floors, wet)

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

per ANSI A326.3 standards:

- interior floors meant to be walked on *when dry* should have a *dry* DCOF of at least 0.42,
- interior floors intended to be walked on *when wet* should have a *wet* DCOF of at least 0.42,
- exterior floors intended to be walked on *when wet* should have a *wet* DCOF of at least 0.55

FREEZE/THAW RESISTANCE (ASTM C1026)

le sol tiles are freeze/thaw resistant.

WATER ABSORPTION TEST (ASTM C373)

avg. 6.3%; semi-vitreous.

ACID RESISTANCE

le sol 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.

le sol 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 le sol 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 le sol tiles at this time.

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.

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.”