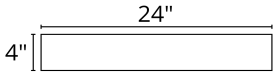
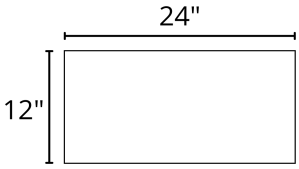
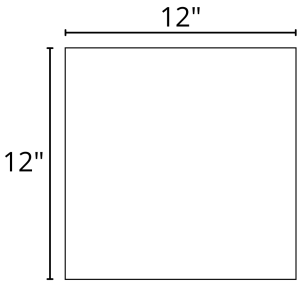
# clé lapidary: grand place limestone



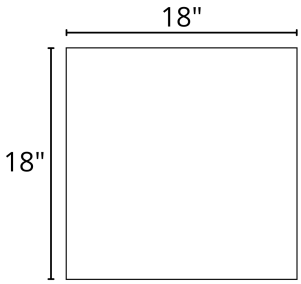

large plank




split field tile




grand stout




mini-slab

**standard thickness for limestone is ⅜", exceptions being cornet 18"x18" which has a thickness of ⅝", and marfil 18"x18" and 12"x24" which have a thickness of ½"
please note all dimensions are nominal, and can vary +/- ⅛ inch. graphics are not to scale

| USAGE | | walls | | floors | | | | | | traffic rating | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | grout joint | interior | exterior | interior | exterior | entry-way | mud-room | bath-room | kitchen | light res. | heavy res. | light comm. | heavy comm. |
| CORNET, CHANTILLY, CRÉMANT, LOUPE, TABOR | ⅛" | Y | Y* | Y | Y* | Y | Y | Y* | Y | Y | Y | Y | N |
| ANGE, ARBOR, BARROW, CARTWRIGHT, CERUSE, HERMITAGE, MARFIL, MOULIN, TANNER | ⅛" | Y | Y* | Y | Y* | Y | Y | Y | Y | Y | Y | Y | Y |

| USAGE | shower | | steam shower | | | | | | resistant | | fireplace | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | floors | walls | floors | walls | fountain | pool | water-line | freeze thaw | UV | heat | surround + hearth | back-splash | radiant heating |
| ARBOR, CARTWRIGHT, TANNER | Y* | Y* | N | N | N | N | N | Y | Y | Y* | Y | Y* | Y |
| BARROW, CERUSE, CHANTILLY, CORNET, HERMITAGE, LOUPE, MARFIL, MOULIN, TABOR | Y* | Y* | N | N | N | N | N | N | Y | Y* | Y | Y* | Y |
| ANGE | N | Y* | N | N | N | N | N | N | Y | Y* | Y | Y* | Y |

*there are specific installation requirements for this usage.
review the "installation areas", "sealing, maintenance, & care", and "average coefficient of friction" areas below & discuss with your installer.

# clé lapidary legacy: grand place limestone

**you've got something special**. elegant, restrained, and imbued with quiet, noble simplicity, clé's grand place collection of limestone offers versatility, durability, and depth for a wide range of design styles, from traditional and classic to ultra-modern. with a smooth, fine-grained look, and ranging in color from cream to deep gray, clé limestone brings tonal moodiness, a bit of shadow and light that elevates any space.

**expect variation.** Limestone, a natural stone, is cut from large blocks of limestone, therefore there will be variation in color and shade across production lots depending on the area of the quarry a particular lot was pulled from. this means that your sample may not be a perfect match to your actual order, and that your add-on order may not be a perfect match to either. **this is the beauty of nature!**

## INSPECTING YOUR SHIPMENT

- **WHAT TO EXPECT** - limestone is a natural stone which will exhibit a smooth honed surface. ALSO- Dust and shipping residue are to be expected and should be cleaned prior to installing.
- **BLEND BLEND BLEND** - due to the natural material makeup and production process of limestone 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.
- **ORDER EXTRA!** - industry standard suggests adding at least 15% overage due to tile cuts, potential shipping breakage, or future repairs. however, if the variation in color, shade, and veining inherent to natural stone does not fit your project's needs we recommend ordering 25-35% overage, particularly when ordering larger format tiles as blending these can be more challenging. sufficient overage allows 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. an 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 are unsure of what qualifies as a visible issue for your tile, please reach out to us BEFORE installation. our tiles are subject to variation 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,

- **DO NOT USE TAPE, BLUE TAPE, OR OTHER TAPE -** do not use blue tape or other construction tape during product installation. tape may erode or damage our products.

- **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).

- **REQUIRE YOUR INSTALLER PERFORM A "DRY RUN" BEFORE BEGINNING YOUR INSTALLATION** – before installing, make sure to lay out and blend tiles from ALL BOXES so that variations in color, and tiles that bear chips and pits are placed as you would like. clé selects our tiles for their hand-hewn character and inherent surface and color variations, which include pits, cracks, and chipping. best placement of these nuances within 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. tape may 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** – 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. a STANDARD PRACTICE for seasoned installers, it enables the end-user and their design professional to test tile layouts in mock-up form and allows 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 installing cabinets, fixtures, etc., you'll need be refinish the tile after the 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 lessen common shipping imperfections.). make sure to account for this final step in your project timeline and budget.

**TCNA, ANSI, AND ASTM -** refer to the tcna handbook's latest edition for best installation results, and to the natural stone institute's dimension stone design manual for stone-specific guidance. for specifications, reference the astm standard that applies to your stone type (e.g., astm c503 for marble, astm c1527 for travertine, astm c568 for limestone).

## INSTALLATION AREAS

- **walls**
  - suitable for interior and exterior walls
  - for exterior installations in cold-weather areas there must be flashing or roofing overhead and the tiles must be sealed with a water-repellent sealer.

- **floors**
  - suitable for interior and exterior floors in areas of light commercial traffic.
  - additionally, ceruse, tanner, barrow, marfil, ange, moulin, hermitage, cartwright, and arbor can be used in areas of heavy commercial traffic
  - for exterior installations in cold-weather areas, they must be installed above-grade on covered decks or verandas and sealed with a water-repellent sealer.
  - radiant heating compatible

- **showers**
  - suitable for use on showers walls with application of a waterproofing, penetrating sealant.
  - tanner, cartwright, arbor, cornet, ceruse, barrow, marfil, moulin, hermitage, loupe, tabor, chantilly, and crémant can be used on shower floors.
  - to increase slip resistance, larger tiles can be scored to create grooves on the surface of the tile. additionally, using a thicker grout line, an off-center placement and/or using smaller 2” x 2” tiles, can also provide protection, as more grout lines can provide better drainage.
  - limestone tiles should not be installed in steam showers or saunas (wet or dry).

- **pools, fountains & waterlines**
  - not suitable for use in pools, fountains, or waterlines.

- **freeze/thaw rating**
  - only arbor, cartwright and tanner colorways are freeze/thaw resistant.
  - ange, ceruse, cornet, barrow, hermitage, loupe, marfil, moulin, and tabor are not.

- **uv resistance**
  - limestone tiles are uv resistant

- **fireplace surround and hearth**
  - suitable for installation in these areas
  - heat resistant

- **backsplashes**
  - suitable for stove backsplashes. please consult with your installer to see if a range splash is required for your installation.
  - suitable for sink backsplashes with the application of a penetrating, water-repellent sealer.

**GROUT**

- clé recommends a ⅛” grout joint with this collection.
- it is recommended to apply grout release or sealant prior to grouting to minimize risk of grout haze, reduce the chance of grout filling the natural pits and chips found in some stones, and allow for easy clean up.
- 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.
- 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. due to the 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.
- 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 & CARE

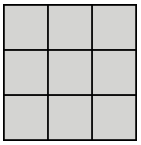
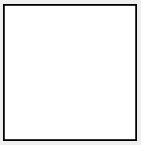
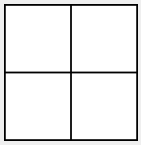
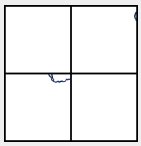
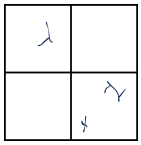
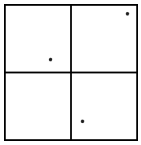
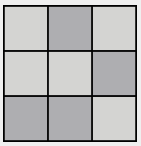
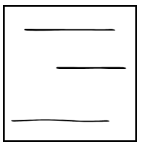
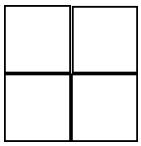
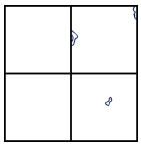
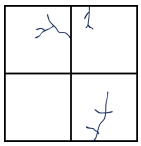
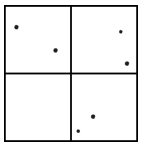
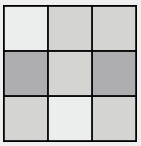
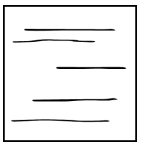
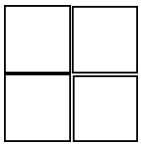
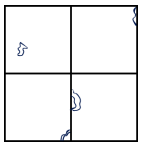
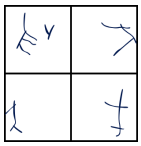
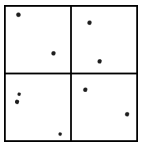
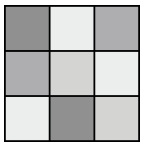
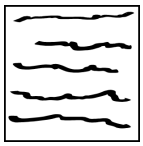
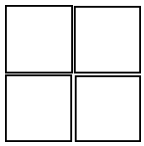
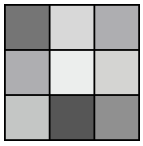
- grand place limestone tiles are **very** sensitive to acids. please do not attempt to clean them with vinegar, lemon juice or any common household cleaners other than a gentle pH neutral cleaner.
- shower installations
    - please note that all grand place limestone tiles are subject to rust spots and water staining if exposed to excessive moisture.
    - to reduce the occurrence of rust spots and other water-related stains, we suggest the following maintenance plan:
        - dry off the surface after each use.  we suggest using a squeegee.
        - frequent cleaning with laticrete revitalizer cleaner & protector.  note: this product is mild enough that it can be used as frequently as daily.
        - spot cleaning any stains with laticrete soap scum remover or laticrete mold & mildew stain remover.
- please follow laticrete's sealing, maintenance, and care guide for more guidance on 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

**VARIATION & IMPERFECTIONS**

please note that some tiles feature quartz veining that are naturally occurring in the stone.

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

| COLOR VARIATION | TEXTURE VARIATION | SIZE VARIATION | PITS / CHIPS | CRACKS / CRAZING | IRON SPOTS |
|---|---|---|---|---|---|
| **SLIGHT - MEDIUM** | **SMOOTH** | **SLIGHT** | **WILL OCCUR** | **N/A** | **N/A** |
|  low |  smooth |  slight |  will occur |  will occur |  will occur |
|  slight (cornet, ceruse, tanner, ange, moulin, loupe, cartwright, arbor, tabor,crémant) |  slight |  medium |  prevalent |  prevalent |  prevalent |
|  medium (barrow, marfil, hermitage, chantilly) |  medium |  heavy |  heavy |  heavy |  heavy |
|  heavy |  heavy |  extreme | n/a | n/a | n/a |
|  extreme | n/a | n/a | n/a | n/a | n/a |

## FLOOR RATING

clé limestone is rated iii (can be used for light residential to light commercial foot traffic). all stones are suitable for light commercial foot traffic. additionally, ceruse, tanner, barrow, marfil, ange, moulin, hermitage, cartwright, and arbor are suitable for heavy commercial foot traffic. to help maximize your floor's beauty and longevity, aside from not exposing tiles to traffic beyond its capacity, floors should be kept clean of abrasive debris and stains should be cleaned as quickly as possible.

**I** **light residential**

for residential areas with light foot traffic. for example: bathroom, bedroom, formal dining and living
please note the following:
not suitable for shoes with hard sole profiles (cleats, stilettos, etc.)

**II** **heavy residential**

for residential areas with continuous foot traffic. for example: entry, hallway, kitchen, foyer, laundry, and mud rooms.

**III** **light commercial** (all stones)

for commercial areas with light foot traffic. for example: commercial offices, doctor's offices, and boutiques

**IV** **heavy commercial** (ange, arbor, barrow, cartwright, ceruse, hermitage, marfil, moulin, and tanner)

for commercial areas with continuous foot traffic. for example: hotel lobby, retail, corridors in an office building, shopping malls and restaurants.

**V** **industrial**

standard industrial floor use with no extreme, heavy breakage or spillage. for example: restaurant kitchens, bar work areas, winery production, exterior hotel entry, airport, car showroom, driveway.

## PRODUCT DESCRIPTION

honed limestone. cornet, tanner, crémant, chantilly and barrow come with eased edges. ceruse, marfil, ange, moulin, hermitage, loupe, cartwright, arbor, and tabor come with micro-beveled edges.

## PRODUCT COMPONENTS

natural stone.

## DIMENSIONS

| SHAPE | PIECE DIMENSIONS | WEIGHT |
|---|---|---|
| GRAND STOUT | 30.5 cm x 30.5 cm x 0.95 cm (12" x 12" x ⅜**") | 2.5 kg per tile (5.5 lb) |
| MINI SLAB | 45.7 cm x 45.7 cm x 0.95 cm (18" x 18" x ⅜**") | 5.6 kg per tile (12.4 lb) |
| PLANK | 10.2 cm x 61 cm x 0.95 cm (4" x 24" x ⅜") | 1.7 kg per tile (3.66 lb) |
| SPLIT FIELD TILE | 30.5 cm x 61 cm x 0.95 cm (12" x 24" x ⅜***") | 5 kg per tile (11 lb) |

* please note all dimensions are nominal, and can vary +/- ⅛".

** with the exception of cornet 18"x18" which has a thickness of ⅝" and marfil 18"x18" which has a thickness of ½"

***with the exception of marfil 12"x24" which has a thickness of ½"

## AVERAGE COEFFICIENT OF FRICTION (DCOF ACUTEST)

| Dry Interior (dry DCOF >0.42) | Wet Interior (wet DCOF ≥0.42) | Wet Exterior (wet DCOF ≥0.55) |
|---|---|---|
| all colors | arbor, hermitage, ceruse, loupe, barrow, moulin, marfil, tanner, cartwright, crémant, chantilly | cornet, loupe, tabor |

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

*DCOF is only one factor and should be considered together with levelness of surface to be tiled, type of use, expected traffic, contaminants, maintenance, and wear when choosing a tile for your project

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)

only tanner, cartwright, and arbor colors are freeze/thaw resistant.

## WATER ABSORPTION (ASTM C373)

| impervious<br>≤0.50% | vitreous<br>between 0.51 and 3.0% | semi-vitreous<br>between 3.01% and 7.0% |
|---|---|---|
| arbor, barrow, cartwright, marfil | ange, ceruse, chantilly, hermitage, moulin, tanner | cornet, cremant, loupe, tabor, |

## ACID RESISTANCE

clé limestone tiles are not resistant to acids and only mild, pH neutral cleaners should be used.

## 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.

limestone tiles are considered 'inherently non-emitting sources' under the low-emitting materials credit of LEEDv4/v4.1. **This is the only credit for our limestone 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 limestone 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, natural stone tile does not need to have fire rating testing performed. It is our understanding from TCNA that the explanation that natural stone 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.

natural stone tile falls under the description, “because stone 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.”