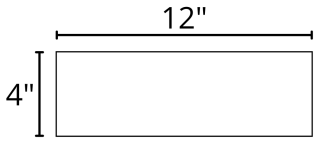
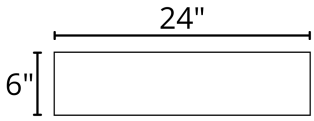
clé lapidary: escarpment



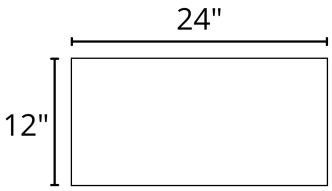
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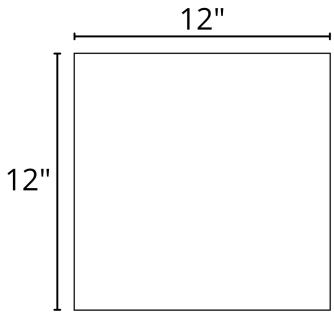
plank



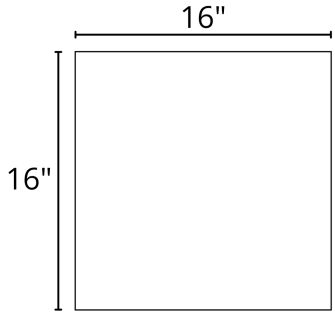
grand plank



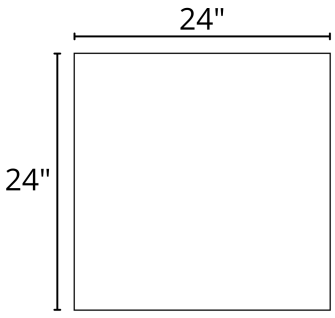
split field tile



grand stout



large field tile



petit slab

standard thickness for slate is ⅜". graphics are not to scale
please note all dimensions are nominal. additionally, dimensions can vary +/- ⅛ inch

USAGE		walls		floors						traffic rating			
	grout joint	interior	exterior	interior	exterior	entryway	mudroom	bathroom	kitchen	light res.	heavy res.	light comm.	heavy comm.
	⅛"	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N

USAGE	shower		steam shower						resistant		fireplace		
	floors	walls	floors	walls	fountain	pool	waterline	freeze thaw	UV	heat	surround + hearth	backsplash	radiant heating
	Y*	Y*	N	N	N	N	N	Y	Y	Y	Y	Y*	Y

* there are specific installation requirements for this usage.
please review the "installation areas" section below and discuss with your installer.

clé lapidary: escarpment

you've got something special. elemental, tactile and endlessly variable, slate is the product of the geologic forces that build mountains. as the tectonic plates buckle and fold, heat and pressure beneath the earth's crust turn mineral clay and volcanic dust into solid stone. it forms in broad, strong, layered sheets that allow it to be cut in a range of shapes and thicknesses. because it's not very porous, it sheds water and resists damage from freezing, and in its unpolished state, it has a naturally slip-resistant texture.

expect variation. clé slate is a natural stone which will exhibit degrees of variation in color and shade, therefore there will be variation in color and shade across batches. this means that your sample may not be a perfect match with your actual order, and that your add-on order may not be a perfect match to either. **this is the beauty of artisanal tile!**

INSPECTING YOUR SHIPMENT

- **WHAT TO EXPECT** – clé's slate collection will exhibit a textured surface rich with color and shade variation that come from the natural layering that makes up slate. shades of black and grey are to be expected and there may be darker sections that look as if a portion of a layer was removed—this is called shaling and is a natural process of slate. initially, bits of loose shale will wear away, leaving a durable surface that catches light differently from tile to tile. not only is this to be expected, it's considered part of the beauty of this layered stone. ALSO - dust and shipping residue are to be expected and should be cleaned prior to installing.
- **BLEND BLEND BLEND** - due to the natural materials and production process of clé slate 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 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.

- **IT'S NATURAL** - please note that the stones in our lapidary collection contain naturally occurring iron deposits that can cause rust spots if exposed to excessive moisture.

- **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, lay out and blend ALL BOXES so color variations and tiles with chips and pits land where you want them. clé selects these tiles for their hand-hewn character and natural surface and color variation, including pits, cracks, and chipping. you and/or your design professional should guide placement to get the best blend from your limited-availability shipment. 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** – 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, 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
- **floors**
  - can be used on interior and exterior floors, including areas with light commercial traffic
  - radiant heating compatible
- **showers**
  - can be used on shower floors and walls with the application of a waterproofing sealant.
  - not suitable for steam showers or saunas (wet or dry)
- **pools, fountains & waterlines**
  - not suitable for installations in pools, fountains or waterlines
- **freeze/thaw rating**
  - freeze/thaw rated
- **uv resistance**
  - uv resistant.
- **fireplace surround and hearth**
  - can be used on fireplace surrounds and hearths
  - heat resistant
- **backsplashes**
  - suitable for use on a stove backsplash. consult with your installer to see if a range splash is required for your installation.
  - can be installed in bathrooms and on sink backsplashes with application of a waterproofing, penetrating sealant.

GROUT

- clé recommends a ⅛" grout joint for slate installations.
- we recommend you 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. and due to the large array of grout colors that are now available, clé would like to offer this general guideline on a grout color selection for any of your clé tiles.
    - have your contractor complete your tile installation, except for the grout portion.
    - ask your contractor to bring grout color charts from his preferred grout manufacturer for your review.
    - choose a time of day when you are most pleased with the lighting in your space. in that lighting and at that time of day, choose the grout color that best matches your tile selection.
- if you are working with patterned tiles, 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 pattern that you would like to accentuate.
- 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. if you choose to use a contrasting grout (i.e. white grout with black tile) please order 20-30% overage in order to cherry-pick the tiles with the imperfections that are standard to natural stone tiles. additionally, you must make sure to apply a grout release or appropriate sealer as a pre-grout treatment to minimize the possibility of the contrasting grout curing in the cracks, pits, and/or chips.
- if your contractor is having any issues or questions regarding the grout, please reach out to the grout manufacturer directly as they are the best and fastest line of contact.

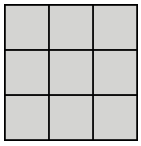
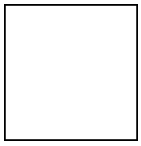
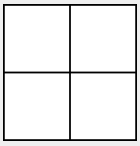
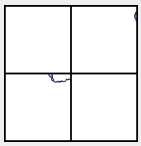
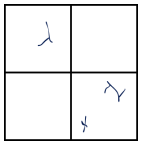
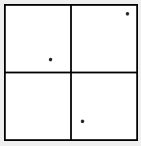
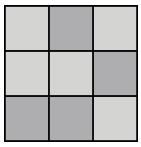
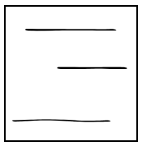
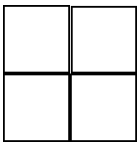
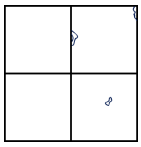
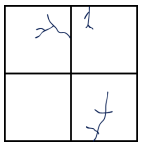
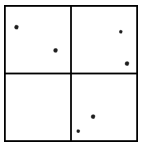
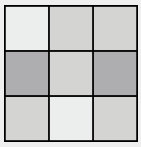
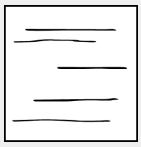
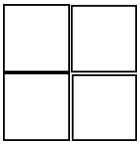
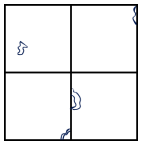
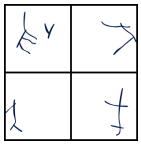
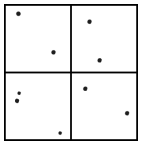
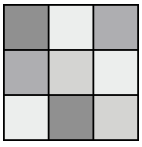
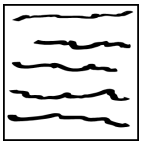
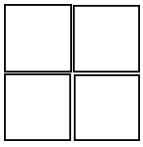
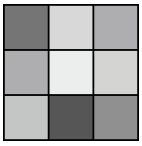
SEALING, MAINTENANCE & CARE

- clé slate tiles are 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 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

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
MEDIUM	**MEDIUM**	**SLIGHT**	**WILL OCCUR**	**N/A**	**WILL OCCUR**
 low	 smooth	 slight	 will occur	 will occur	 will occur
 slight	 slight	 medium	 prevalent	 prevalent	 prevalent
 medium	 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 lapidary: escarpment is rated III (can be used for light residential to light 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**

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

IV **heavy commercial**

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

a sustainable, natural and highly durable tile that comes in shades of black and gray.

PRODUCT COMPONENTS

natural stone.

DIMENSIONS

SHAPE	PIECE DIMENSIONS	WEIGHT
GRAND PLANK	15.2 cm x 61 cm x 0.95 cm (6" x 24" x ⅜")	2 kg per tile (4.45 lbs)
GRAND STOUT	30.5 cm x 30.5 cm x 0.95 cm (12" x 12" x ⅜")	2 kg per tile (4.45 lbs)
LARGE FIELD TILE	40.6 cm x 40.6 cm x 0.95 cm (16" x 16" x ⅜")	3.6 kg per tile (8 lbs)
PETIT SLAB	61 cm x 61 cm x 0.95 cm (24" x 24" x ⅜")	9.9 kg per tile (22 lbs)
PLANK	10.2 cm x 30.5 cm x 0.95 cm (4" x 12" x ⅜")	0.68 kg per tile (1.5 lbs)
SPLIT FIELD TILE	30.5 cm x 61 cm x 0.95 cm (12" x 24" x ⅜")	5 kg per tile (11 lbs)
SUBWAY	7.6 cm x 15.2 cm x 0.95 cm (3" x 6" x ⅜")	0.25 kg per tile (0.55 lb)

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

AVERAGE COEFFICIENT OF FRICTION (DCOF ACUTEST)

DCOF testing is typically not performed on slate as the clefts on the tile surface provide a natural slip resistance.

*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

FREEZE/THAW RESISTANCE (ASTM C1026)

clé slate is freeze/thaw resistant.

WATER ABSORPTION (ASTM C373)

avg. 0.49%; impervious.

ACID RESISTANCE

clé lapidary: escarpment is not resistant to acids and only mild, pH neutral cleaners should be used.

SHALING

color variation is completely normal for a natural stone like clé lapidary: escarpment. slate forms from layered sediments of clay, volcanic ash, and fragments of other rock, which are compressed and transformed over millions of years. each color reflects a different mineral, and cutting the stone into slabs and tile exposes those layers.

texture varies too. you may notice a darker patch where part of a layer seems to be missing. this is called shaling: loose areas of the slate's cleft surface flaking off during the first several months of floor (and sometimes wall) use. it happens only on tiles with a loosened section of cleft, simply exposes more slate underneath, and stops once the loose material is gone. shaling is a natural response to wear, not a defect.

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.

clé lapidary: escarpment tiles are considered 'inherently non-emitting sources' under the low-emitting materials credit of LEEDv4/v4.1. this is the only credit for our slate 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 slate 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."