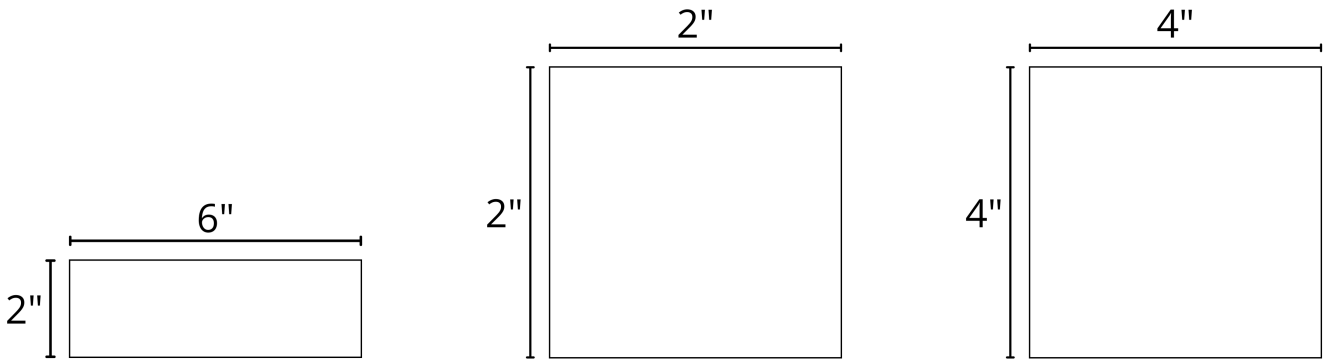
eastern elements



standard thickness for all sizes of eastern elements is ³/₈". graphics are not to scale.
please note all dimensions are nominal. please note that dimensions can vary +/- ¹/₈"

USAGE		walls		floors						traffic rating			
	grout joint	interior	exterior	interior	exterior	entryway	mudroom	bathroom	kitchen	light res.	heavy res.	light comm.	heavy comm.
	1/16"	Y	Y*	Y*	N	N	N	N	N	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*	Y*	Y*	N	N	N	N	Y	Y	Y	Y*	Y

*there are specific installation requirements for this usage.
please review the "installation areas" and "dynamic coefficient of friction" sections below, and discuss with your installer.

eastern elements

you've got something special. the eastern elements collection features three white-spectrum glazes: mochi, rice paper and robin's egg. Mochi, creamiest of the three, has only very subtle variations in surface and texture. rice paper exhibits pink-blue tones, surface dimpling, iron spots, cracks, and crazing. while robin's egg features plenty of variation with iron spots, surface texture and tones that hue more blue.

expect variation. the handmade craftsmanship and variety of materials used result in variation in color, shade, size and texture across production lots. as such, your sample may not be a perfect match to your actual order, and add-on orders may not be a perfect match to either. **this is the beauty of artisanal tile!**

INSPECTING YOUR SHIPMENT

- **WHAT TO EXPECT** – eastern elements tiles are handmade terracotta tiles fired in gas kilns.
    - mochi white – a silky white glaze with subtle variation in surface and texture.
    - rice paper – a milky white glaze with blue and pink undertones. subtle texture variation with occasional iron spots and surface imperfections.
    - robin's egg – soft white glaze with being and blue notes. iron spotting and some streaking give the tiles some speckles. surface imperfections, pits and cracks give distinct character.
    - ALSO – dust and shipping residue are to be expected and should be cleaned prior to installing.
- **BLEND BLEND BLEND** – due to the firing methods and raw materials used to create glazed clay tiles, your order of eastern elements may contain some tiles with cracks, iron spots, crazing, edge-chipping and pits through the glaze of the clay body. it is important to blend tiles from all boxes and place them in their installation area to ensure you have the layout you want before installing.
    - additionally, for the 2" x 2" mesh mounted tiles, the pieces can be lifted and moved around on the mesh sheets to better blend them.
- **ORDER EXTRA!** – industry standard suggests adding at least 15% overage due to tile cuts, potential shipping breakage, or future repairs. due to the firing methods and raw materials used to create eastern element tiles, there will be crazing, chipped edges, pits, and cracks through the glaze of the clay body. if these imperfections do not fit your project's needs, we recommend ordering more than 20-30% overage to allow 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, reach out to us BEFORE 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).

- **REQUIRE YOUR INSTALLER PERFORM A "DRY RUN" BEFORE BEGINNING YOUR INSTALLATION** – be 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 qualities and inherent surface and color variation, which includes pits, cracks, and chips. best placement of these nuances within your installation must be guided by you and/or your design professional to realize the best 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 are 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 lets the end-user and their design professional test tile layouts in mock-up form and allows the mock-up boards to be examined in the space and lighting in which the tiles will be used. before making mock-up boards- be 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 what we call the "final finish." here, your contractor should replace any broken or chipped tiles caused by construction damage, scuffing, or any deterioration of the tile surface. a professional refinisher should be hired for the final refinishing of your tile installation. (*NOTE – another benefit is that shipping refinishing can lessen common shipping imperfections.). be sure to account for this final step in your project timeline and budget.

- to accommodate variations in tile sizes, wedge spacers can be used to keep tile lines straight during installation.

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

- **walls**
  - suitable for interior and exterior walls
  - for exterior installations in cold-weather areas, there must be a flashing or roofing overhead and the tiles must be sealed with a water-repellent sealer.
- **floors**
  - suitable for dry interior floors in areas with light commercial foot traffic
  - radiant heating compatible
- **showers**
  - suitable for walls in showers and steam showers as well as wet or dry saunas
  - 2”x2” pixies can be used in wet-area floor with the application of an anti-slip sealer or treatment
- **pools, fountains & waterlines**
  - not suitable for use in pools, fountains, or waterlines.
- **freeze/thaw rating**
  - not freeze/thaw rated
- **uv resistance**
  - 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 1/16" grout joint with this collection.
- we recommend applying a sealant or a grout release before grouting. this minimizes grout haze, keeps grout out of the glaze's sometimes invisible crazing, and allows for easy clean up.
- clé recommends using mortar and unsanded 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 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.
- we recommend applying sealant or using a grout release prior to grouting if the tile has visible crazing.
- we do not generally recommend using a contrasting grout color with eastern elements, as it will highlight the thin hairline 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 tile of the imperfections that are standard to eastern elements. additionally, you must make sure to apply stonetech heavy duty sealer from laticrete as a pre-grout treatment to minimize the possibility of the contrasting grout curing in the inherent hairline cracks, pits, and/or chips.
- 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.

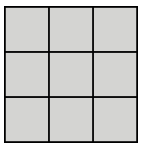
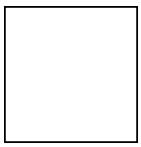
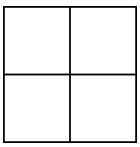
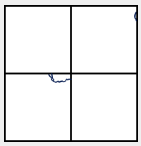
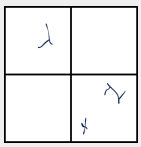
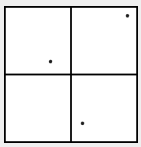
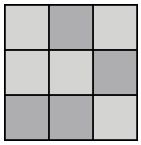
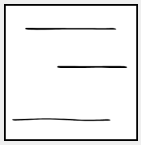
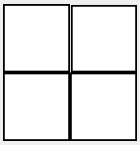
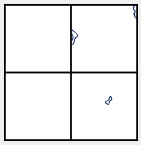
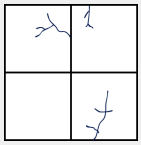
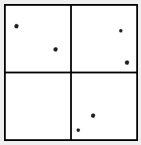
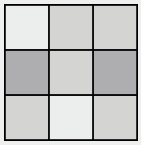
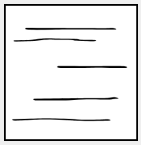
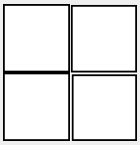
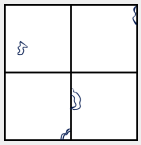
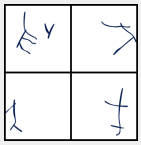
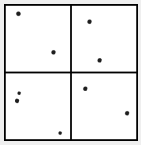
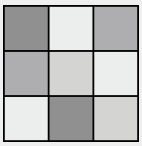
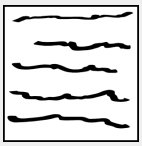
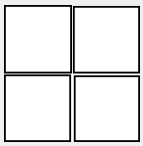
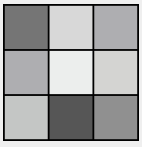
SEALING, MAINTENANCE, AND CARE

- eastern elements 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 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

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 - EXTREME	**SLIGHT - HEAVY**	**MEDIUM - EXTREME**	**WILL OCCUR - HEAVY**	**WILL OCCUR - HEAVY**	**WILL OCCUR - HEAVY**
 low	 smooth	 slight	 will occur (mochi)	 will occur (mochi)	 will occur (mochi)
 slight	 slight (mochi)	 medium (mochi)	 prevalent (rice paper)	 prevalent (rice paper)	 prevalent (rice paper)
 medium (mochi)	 medium (rice paper)	 heavy (rice paper)	 heavy (robin's egg)	 heavy (robin's egg)	 heavy (robin's egg)
 heavy (rice paper)	 heavy (robin's egg)	 extreme (robin's egg)	n/a	n/a	n/a
 extreme (robin's egg)	n/a	n/a	n/a	n/a	n/a

FLOOR RATING

eastern elements is rated iii (can be used for 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 FINISH

Eastern elements tiles have a glazed satin finish ranging from matte to gloss.

MATTE	EGGSHELL	SATIN	SEMI-GLOSS	GLOSS
non-reflective, subtle texture	soft sheen, subtle texture	luminous, smooth texture	moderate reflectiveness	reflective, high sheen

PRODUCT DESCRIPTION

handmade, glazed terracotta tiles.

PRODUCT COMPONENTS

clay, glaze, pigments.

DIMENSIONS

SHAPE	PIECE DIMENSIONS	WEIGHT
BAGUETTE	5 cm x 15 cm x 0.95 cm (2” x 6” x 3/8”)	0.23 kg per tile (0.50 lb)
PETITE	10 cm x 10 cm x 0.95 cm (4” x 4” x ⅜”)	0.20 kg per tile (0.44 lb)
PIXIE	5 cm x 5 cm x 0.95 cm (2” x 2” x ⅜”)	0.04 kg per tile (0.09 lb)

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

DYNAMIC COEFFICIENT OF FRICTION (DCOF ACUTEST)

SHAPE	Wet DCOF	Dry DCOF
BAGUETTE	0.30 (no wet floors)	0.85 (interior, dry floors)
PETITE	0.25 (no wet floors)	0.85 (interior, dry floors)

*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)

eastern elements tiles are not freeze/thaw resistant.

WATER ABSORPTION (ASTM C373)

avg. 10.8%; non-vitreous

ACID RESISTANCE

eastern elements 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.

eastern elements are considered ‘inherently non-emitting sources’ under the low-emitting materials credit of LEEDv4/v4.1. this is currently the only credit for eastern elements 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 I).

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 eastern elements 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.

eastern elements 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.”