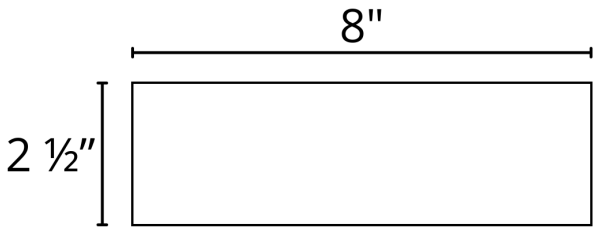
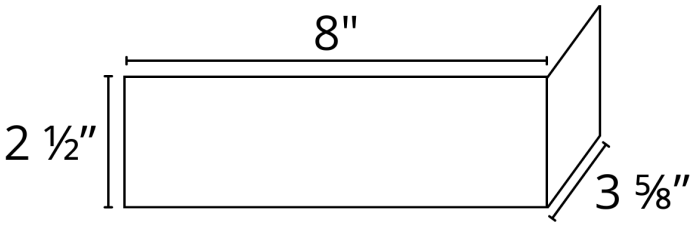
updated: 10/19/26

foundry flats standard issue



cigar



corner

standard thickness for standard issue bricks is ½" with the exception of ferrous which has a ¾" thickness.
90˚corner piece return is 3 ⅝" on standard issue. please note all dimensions are nominal. additionally, dimensions can vary +/- ⅛".

USAGE		walls		floors						traffic rating			
	grout joint	interior	exterior	interior	exterior	entryway	mudroom	bathroom	kitchen	light res.	heavy res.	light comm.	heavy comm.
BURN, CARBON, FERROUS, TARNISH	⅜"	Y	Y*	Y	Y*	Y	Y	Y	Y	Y	Y	Y	N
SAND CAST	⅜"	Y	Y*	Y	N	N	N	Y	N	Y	N	N	N
SINTER	⅜"	Y	Y*	Y	Y*	N	N	Y	N	Y	N	N	N

USAGE	shower		steam shower						resistant		fireplace		
	floors	walls	floors	walls	fountain	pool	waterline	freeze thaw	UV	heat	surround + hearth	backsplash	radiant heating
BURN, CARBON, FERROUS, TARNISH	N	Y*	N	N	N	N	N	Y	Y	Y	Y	Y*	Y
SAND CAST	N	Y*	N	N	N	N	N	N	Y	N	N	Y*	Y
SINTER	N	Y*	N	N	N	N	N	Y	Y	Y	Y	Y*	Y

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

foundry flats standard issue

you've got something special. we scoured the country for the right thin brick and found these foundry flats from a family-run manufacturer with a long history of working with clay. made from materials sourced within 25 miles of the factory, the flats feature a solidly-made body and modern and enduring color palette. foundry flats are classic american, affordable, recyclable bricks made from clay and water. standard issue thin bricks feature an array of earthy hues and a clean uniform surface perfect for a streamlined look.

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. 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** – foundry flats standard issue tiles are thin unglazed bricks featuring rich colors and clean uniform surface. ALSO - dust and shipping residue are to be expected and should be cleaned prior to installing.
- variations in depth, thickness, size, color, and shade are to be expected. when specifying unglazed bricks, if color consideration is paramount, always work from a sampling of three or more bricks, which represents the range of color you can expect on the job
- **BLEND BLEND BLEND** - unglazed brick colors vary from brick to brick, some more than others. these variations are intentional, resulting from clé's particular production methods and choice of raw materials. it is very important to blend the tiles from all boxes once they arrive and place them in their installation area to ensure you have the layout you want before installing. do not install without blending bricks from all boxes.
- **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. 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).

- **REQUIRED 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. 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 color and joint size, as well as sealant, are done to your design professional's specifications- we suggest you have your installer create mock-up boards before installation. a STANDARD PRACTICE for seasoned installers, it lets the end-user and their design professional test tile layouts in mock-up form and examine them in the space and lighting in which the tiles will be used. before beginning the 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 to install your tile prior to the installation of cabinets, fixtures, etc., you'll need to refinish the tile after the 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.

TCNA and ANSI - please refer to the current edition of the tcna handbook and the Thin Brick Veneer technical notes from The Brick Industry Association (BIA) for best installation results.

INSTALLATION AREAS

- foundry flats standard issue thin brick tiles have specific installation area usage depending on color and finish. please reference the graphic on page 1.

- **walls**
  - can be installed on interior and exterior walls.
  - for outdoor installations of the sinter and sand cast colorways, there must be a flashing or roofing overhead and the tiles must be sealed with a water-repellent sealer.

- **floors**
  - can be used on interior floors including areas with commercial heavy traffic.
  - can be used on exterior floors with the exception of the **sand cast** colorway.
  - the **sinter** colorway should only be used outdoors in areas of light residential traffic
  - radiant heat compatible.

- **showers**
  - not suitable for shower floors
  - not suitable for use in steam showers or saunas (dry or wet)

- **pools, fountains & waterlines**
  - not suitable for pool, fountain, or waterline installations.

- **freeze/thaw rating**
  - foundry flats standard issue thin bricks are freeze/thaw resistant with the exception of the sand cast colorway.

- **uv resistance**
  - foundry flats standard issue thin bricks are uv resistant.

- **fireplace surround and hearth**
  - can be used on fireplace surrounds and hearths

- **backsplashes**
  - can be installed on sink backsplashes with the application of a penetrating sealer.
  - 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 ⅜” grout joint and cementitious sanded grout with this collection.
- clé recommends using mortar and 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 foolproof grout color selection for any of your clé tiles.
    - first, have your professional tile contractor complete your tile installation, except for the grout portion.
    - next, when ready to grout, ask your contractor to bring all grout color charts from his preferred grout manufacturers, for your review.
    - lastly, choose a time of day when you are most pleased with the lighting in your space (either natural lighting, installed lighting or a blend of both). during that lighting and time of day, select the grout color that best matches your tile selection.
- 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.
- due to the texture of the bricks we recommend applying a sealant or a grout release prior to grouting to minimize risk of grout haze and to allow for easier clean up. given that it will be difficult to remove grout from the textured surface of brick even when using a grout release, we also recommend that a grout bag or gun be used for grouting and to work carefully.
- 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.

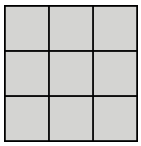
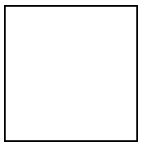
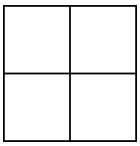
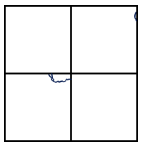
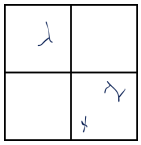
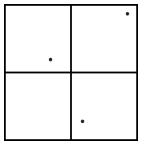
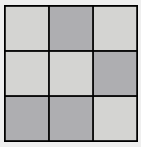
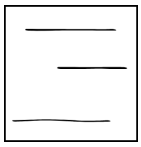
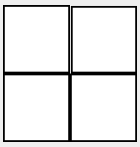
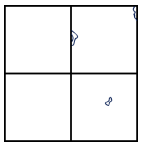
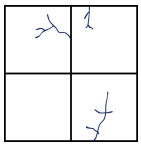
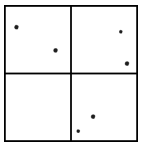
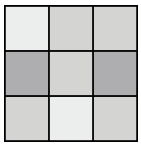
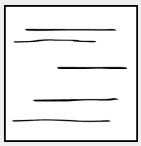
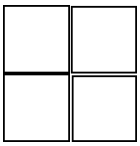
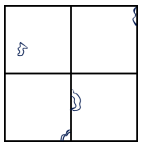
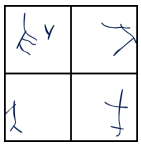
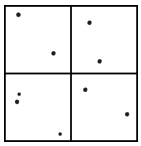
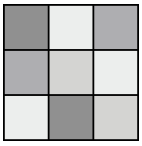
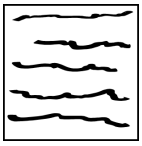
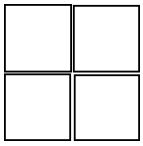
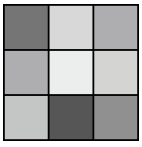
SEALING, MAINTENANCE AND CARE

- foundry flats standard issue thin brick 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
SLIGHT	**MEDIUM**	**MEDIUM**	**N/A**	**N/A**	**N/A**
 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

foundry flats standard issue thin bricks are rated III (can be used for light residential to light commercial foot traffic following CTDA flooring load ratings, please refer to TCNA guide for more details). 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

american made, foundry flats standard issue thin brick tiles emphasize classic, industrial style and are manufactured to last and improve with age.

foundry flats standard issue thin brick tiles shall be selected by the architect/designer/owner from manufacturer's standard sizes, shapes and glazes. foundry flats standard issue thin brick tiles meets or exceeds ASTM-C1088 Type TBS or TBX.

PRODUCT COMPONENTS

clay and shale.

DIMENSIONS

SHAPE	PIECE DIMENSIONS	WEIGHT
CIGAR	6 cm x 20 cm x 2 cm* (2 ½" X 8" X ¾"*)	0.38 kg per tile (0.85 lb)
CORNER - STANDARD ISSUE	6 cm x 20 cm x 9.5 cm (2 ½" X 8" X 3 ¾")	0.45 kg per tile (1 lb)

*please note all dimensions are nominal, and can vary +/- ⅛".
standard thickness for standard issue bricks is ½" with the exception of ferrous which has a ¾" thickness.

AVERAGE COEFFICIENT OF FRICTION (DCOF ACUTEST)

testing has not been completed, but the textured, unglazed surface will provide 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)

foundry flats standard issue thin bricks are freeze/thaw resistant with the exception of sand cast

WATER ABSORPTION (ASTM C373)

COLORWAY	5 HR BOIL	24 HR COLD SOAK	SATURATION COEFFICIENT
BURN	9.09%	5.5%	0.61
CARBON	10.29%	6.8%	0.66
FERROUS	10.29%	7.0%	0.68
SAND CAST	13.26%	10.3%	0.78
SINTER	12.0%	9.0%	0.75
TARNISH	9.6%	5.9%	0.62

ACID RESISTANCE

foundry flats standard issue thin bricks 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.

foundry flats bricks are considered ‘inherently non-emitting sources’ under the low-emitting materials credit of LEEDv4/v4.1. ***This is a credit for Foundry Flats 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, applies as there is pre-consumer recycled content in our bricks. ***this is a credit for foundry flats that is eligible to be used toward LEED.**

* foundry flats can contribute to two LEEDv4/v4.1 points under the low-emitting materials credit and under the mr credit material sourcing.

RECYCLED CONTENT

the clay mix in our foundry flats bricks consists of grog (ground up brick and brick waste). see material sourcing disclosure above.

PERCENTAGE OF PRE-CONSUMER AND/OR POST-CONSUMER MATERIALS

there is approximately 8.4% pre-consumer material content (grog) in each of our foundry flats bricks.

FIRE RATING

brick masonry has traditionally been used to provide superior fire resistance and safety for occupants. since the primary ingredient in brick is clay which is fired to around 2000 f, it is classified as a non-combustible material. as such, it is an excellent choice to resist or confine fires.