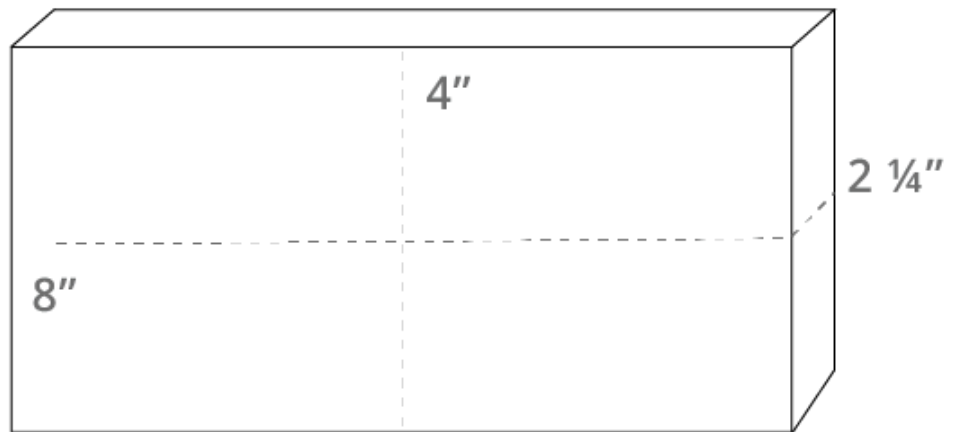


OUTERcé BRICKWORKS

USAGE	Y / N
radiant heating	Y
exterior wall	Y*
exterior floor	Y
light residential traffic	Y
heavy residential traffic	Y
light commercial traffic	Y
heavy commercial traffic	Y
industrial traffic	Y
fountain	N
fountain waterlines	N
pool	N
pool waterlines	N
shower floors	Y*
shower walls	Y*
stove backsplash	Y*
sink backsplash	Y*
fire pit surround	Y
pizza oven surround	Y
grout joint	N/A



Standard thickness for Brickworks wire cut pavers is 2 ¼".
Please note all dimensions are nominal and can vary +/- ⅛".

* There are specific installation requirements for this usage. Please review "Installation FYI's" and "Installation Areas" below and discuss with your installer.

BRICKWORKS

What's in our tile: We scoured the country looking for pavers and discovered these Brickworks at a family-run business with a long history of working with clay. Sourced from materials located within 25 miles of the factory, these pavers are solidly made with a body that reflects a color palette that is both modern and enduring. Made from clay and water, Brickworks are a classic American, affordable, and recyclable product.

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** – Brickworks pavers are thick unglazed bricks featuring a distinctive patina and a textured surface. ALSO - Dust and shipping residue are to be expected and should be cleaned prior to installing.
- **BLEND BLEND BLEND** - Brickworks colors vary from brick to brick, some more than others. These variations are a result of 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 20% 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.
- Brickworks pavers come packed in crates containing 114.4 square feet. Returns of excess material are not permitted.

INSTALLATION FYIs

- **GENERAL GUIDELINES, NOT INSTRUCTIONS** - OUTERclé offers general information about our tiles and their unique qualities and usages. Proper installation will only be attained if you have selected a seasoned installer with years of experience with artisan tiles. Any installer without artisan tile experience will not know how to install OUTERclé tiles and will likely result in failed installations.
- **PAVER INSTALLATIONS HAVE UNIQUE CHALLENGES** - A long-lasting paver installation requires a properly installed base. This base is the foundation of your installation. The base's depth will depend on the paver thickness, the required thickness of your bedding and base materials, as well as the installation area's use. Please refer to your project architect, structural engineer or installer for those requirements. **Your pavers will only be as strong as your base.**
- Brickworks pavers are laid without thinset and installed flush against each other and thus require no grout. Spaces between each paver should be filled, where needed, with paver jointing sand.
- Due to the environmental factors tiles face in outdoor installations, do not expect your tiles to look the same on day two as they did on day one.
- **INSTALLATION DEEMS ACCEPTANCE OF YOUR ORDER** - If you are not 100% sure of your tiles- DO NOT INSTALL THEM. As is standard in the tile industry and with all construction materials, installation deems acceptance of materials. Do not install if there are visible issues. If you have any doubts or are unsure of what qualifies as a visible issue for the tile you are installing, please reach out to us PRIOR to installation. Our tiles are subject to variations in color, texture, size, and finish. Misuse by contractor or end-user including but not limited to negligence, physical and/or chemical abuse, as well as order shortages ARE NOT a OUTERclé responsibility and therefore, not covered by OUTERclé's warranty.
- **TILE IS A MATERIAL. INSTALLATION ERRORS ARE NOT THE FAULT OF THE MATERIAL** - OUTERclé 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 LANDSCAPE INSTALLER'S LEVEL OF ARTISAN TILE EXPERIENCE** - We strongly suggest choosing installers who have shown their commitment to their craft and remained current with the latest methods and materials. We suggest requiring references and a portfolio along with a bid or estimate to ensure the installer has successfully completed work of similar size, scope, and complexity. Your installation will only be as good as your installer.

- **REQUIRE YOUR INSTALLER PERFORM A “DRY RUN” BEFORE BEGINNING YOUR INSTALLATION**
 – Before installing, make sure to lay out and blend ALL BOXES of your tiles so that your variations in color, and tiles that bear chips and pits are artfully placed as you would like. OUTERclé selects our tiles for their hand-hewn variations and their inherent surface and color variations, which include pits, cracks, and chipping. The best placement of these nuances throughout your installation must be guided by you and/or your design professional to realize the best possible blend of your shipment of our limited-availability tiles. Your installation is only as good as your DRY RUN.
- **DO NOT USE TAPE, BLUE TAPE, OR OTHER TAPE** - Do not use blue tape or other construction tape during product installation. We cannot guarantee that the tape will not erode or damage our products.
- **WAIT UNTIL YOUR PROJECT IS COMPLETE BEFORE INSTALLING YOUR TILES** - Install the tiles as late as possible in the project to minimize the risk of damaging the tile.
- **REQUIRE MOCK-UP BOARDS** – Your next step to ensure your tiles will be organized properly and your grout joint size and color, as well as your sealant, are done to your design professional’s specifications- we urge you to require your installer create mock-up boards prior to your installation. This is a STANDARD PRACTICE for seasoned installers as it enables the end-user and their design professional to test all the tile layouts in mock-up form and, also will allow for the mock-up boards to be examined in the space and lighting in which the tiles will be used. Before beginning the mock-up boards- make sure to FIRST do your above-recommended DRY RUN and lay out and blend your tiles as described in that section.
- **“FINAL FINISH” – WHAT IT IS AND WHY MAY YOUR PROJECT REQUIRES THIS?** - If you plan to install your tile prior to the installation of cabinets, fixtures, etc., you’ll need to refinish the tile after those other features are installed in a step we call the “final finish.” In this step, your contractor should replace any broken or chipped tiles caused by construction damage, scuffing, or any deterioration of the tile surface. They should also hire a professional refinisher for the final refinishing of your tile installation. (*NOTE – Another benefit is that shipping refinishing can alleviate common shipping imperfections.). Make sure to account for this final step in your project timeline and budget.
- **TCNA and ANSI** - Please refer to the current edition of the TCNA Handbook for best installation results.

INSTALLATION AREAS

- Brickworks pavers are freeze/thaw rated.
- Brickworks pavers are slip resistant and can be used on exterior floors including driveways.
- Brickworks pavers can be installed in areas of heavy residential, heavy commercial, and industrial traffic, including light vehicular traffic as defined by ASTM C902.
- Brickworks pavers can be installed on exterior walls, with the application of a penetrating water-repellent sealer.
- Brickworks pavers are UV resistant.
- Brickworks pavers are heat resistant and can be used on fire pit as well as pizza oven surrounds.
- Brickworks pavers are not suitable for pools, fountains, or their waterlines.
- Brickworks pavers are suitable for shower installations, with the application of a penetrating water-repellent sealer.
- Brickworks pavers can be used as a stove backsplash. Please consult with your installer to see if a range splash is required for your installation.
- Brickworks pavers can be used on a sink backsplash penetrating water-repellent sealer.
- Brickworks pavers are radiant heating compatible.

SEALING, MAINTENANCE, AND CARE

- 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

AVERAGE COEFFICIENT OF FRICTION (DCOF ACUTEST)

“Wet Dynamic Coefficient of Friction” (DCOF) / Average: 0.69

“Wet Dynamic Coefficient of Friction” reflects a tile’s slip-resistance in wet conditions. For outdoor installations in areas subject to moisture, OUTERclé recommends choosing a tile with a DCOF >0.60 (per ANSI A326.3). This score should be used together with other information when deciding if a tile is suitable for a particular area, wet or not.

Please note that the application of a sealant may help increase slip-resistance.

FREEZE/THAW RESISTANCE (ASTM C1026)

Brickworks pavers are freeze/thaw resistant.

Freeze/Thaw resistance is a valuable tool for choosing tiles suitable to environments where freezing and thawing may occur.

WATER ABSORPTION (ASTM C373)

Avg. 9.9%; non-vitreous.

A lower number generally means a tile is better suited for outdoor installations. This score should be used together with other information when deciding if a tile is suitable for a particular area, wet or not.

Please note that application of a sealant may decrease a tile’s water absorption.

SOLAR REFLECTANCE INDEX (ASTM E1980)

Solar Reflectance Index: 19*

* Testing was performed on the Sequoia Grave colorway, a darker brick. Lighter colors absorb and retain 5-20% less heat than standard gray concrete. Mid-range colors perform comparably to gray concrete, while darker colors frequently test 10-25% hotter.

This test indicates how hot a tile is likely to become when solar radiation is present on the surface. The higher the score, the greater the tile's capacity to reflect and release heat from the sun.

LEED Credit for Heat Island Reduction requires the use of outdoor pavers achieving an Sri score of at least 29 for the overall project.

ACID RESISTANCE

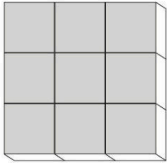
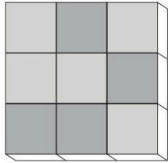
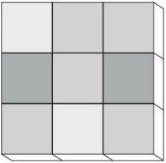
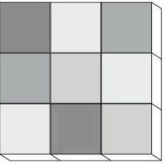
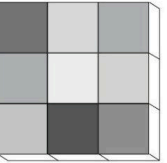
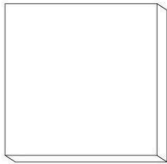
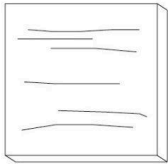
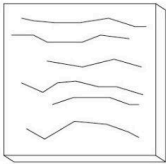
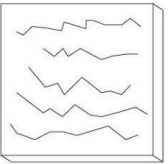
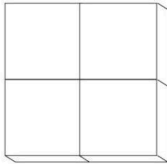
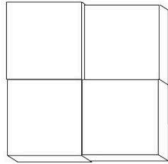
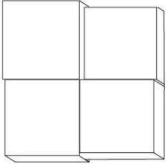
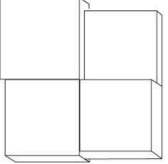
Brickworks pavers are not resistant to acids and only mild, pH neutral cleaners should be used.

COLOR, TEXTURE AND SIZE VARIATION

Color variation: level 3 - medium

Texture variation: level 3 - medium

Size variation: level 2 - medium

CATEGORY	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5
COLOR VARIATION	 <p>low</p>	 <p>slight</p>	 <p>medium</p>	 <p>heavy</p>	 <p>extreme</p>
TEXTURE VARIATION	 <p>smooth</p>	 <p>slight</p>	 <p>medium</p>	 <p>heavy</p>	n/a
SIZE VARIATION	 <p>slight</p>	 <p>medium</p>	 <p>heavy</p>	 <p>extreme</p>	n/a

FLOOR RATING

Brickworks pavers are rated V (can be used for light residential to industrial foot traffic)

I Light residential

For residential areas with light foot traffic. Examples can include outdoor entryways, porches, verandas, and outdoor living areas. Please note the following:

- not suitable for shoes with hard sole profiles (cleats, stilettos, etc.)
- the floor must be kept clean from abrasive debris (gravel, mud, salt, etc.)
- immediately clean all stains (food, personal and household care products, oils, paints, chemicals etc.)

II Heavy residential

For residential areas with heavy or continuous foot traffic. Examples can include, driveways, passageways, courtyards, patios, decks, pool decks, outdoor kitchens, and dining areas. Please note the following:

- the floor must be kept clean from abrasive debris (sand, gravel, mud, salt, etc.)
- immediately clean all stains (food, personal and household care products, oils, paints, chemicals etc.)

III Light commercial

For commercial areas with light foot traffic. Examples can include outdoor retail entryways. Please note the following:

- the floor must be kept clean from abrasive debris (sand, gravel, mud, salt, etc.)
- immediately clean all stains (food, personal and household care products, oils, paints, chemicals etc.)

IV Heavy commercial

For commercial areas with continuous foot traffic. Examples can include public squares, verandas, and restaurant patios. Please note the following:

- the floor must be kept clean from abrasive debris (sand, gravel, mud, salt, etc.)
- immediately clean all stains (food, personal and household care products, oils, paints, chemicals etc.)

V Industrial

Standard industrial floor use with no extreme, heavy breakage or spillage. Examples can include outdoor bar work areas, exterior hotel entryways and driveways, and light vehicular traffic. Please note the following:

- the floor must be kept clean from abrasive debris (sand, gravel, mud, salt, etc.)
- immediately clean all stains (food, personal and household care products, oils, paints, chemicals etc.)

PRODUCT DESCRIPTION

American-made Brickworks emphasize classic, industrial style and are manufactured to last and improve with age

PRODUCT COMPONENTS

Clay and shale

DIMENSIONS

Mason | 20 cm x 10 cm x 6 cm (8" x 4" x 2 1/4") / 2.72 kg per tile (6 lbs)

* Please note all dimensions are nominal and can vary +/- 1/8".

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.

Brickworks pavers are considered 'inherently non-emitting sources' under the Low-emitting Materials Credit of LEEDv4/v4.1. ***This is a credit for Brickworks 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 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/v4.1, 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 Brickworks that is eligible to be used toward LEED.**

* Brickworks 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 Brickworks pavers 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 (grog) in each of our Brickworks pavers. See Material Sourcing disclosure above.

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.

