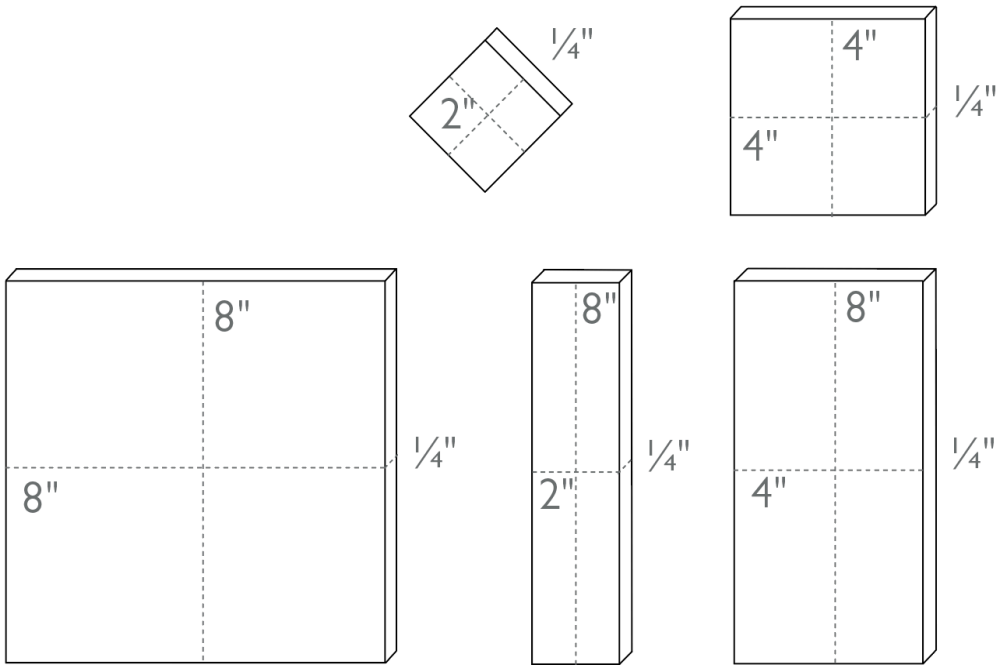
OUTERclé COLORWERKS

USAGE	Y / N
freeze/thaw	Y
slip resistant	Y*
UV resistant	Y
heat resistant	Y
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	N
fountain	Y
fountain waterlines	Y
pool	Y
pool waterlines	Y
pool coping	N
shower floors	Y*
shower walls	Y
stove backsplash	Y*
sink backsplash	Y*
fire pit surround	Y
pizza oven surround	Y
grout joint size	1/16"



Standard thickness for Colorwerks is ¼".

Please note all dimensions are nominal and can vary +/- ¼".

* There are specific installation requirements for this usage. Please refer to the "Installation Areas" and "Additional Specifications" sections below and discuss with your installer.

COLORWERKS

What's in our tile: A curated collection for the pool (and far beyond), Colorwerks includes shapes, textures, and colors that create durable surfaces for any outdoor mood, story, and personality. mix and match for an elegant, affordable bespoke surface—or wherever the muse leads you.

There will be some degree 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** – Colorwerks are ceramic tiles that feature a smooth surface and either a glossy, matte or textured finish. ALSO - Dust and shipping residue should be expected and cleaned prior to installing.
- **BLEND BLEND BLEND** – Colorwerks tiles have low color and shade variation; however, it is still important to blend tiles from all boxes 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 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 tiles' color 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** - OUTERclé offers general information about our tiles and their unique qualities and usages. Proper installation will only be attained if you select 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.
- **EXTERIOR INSTALLATIONS HAVE UNIQUE CHALLENGES** - Exterior installations are subject to sun, rain, snow, changes in temperature, and other environmental factors. It is critical that your substrate, mortar, tile, grout, and sealant work together as a system to help your installation withstand the elements. Expansion joints are crucial to the success of any installation, especially exterior ones. Please consult your project architect, designer, structural engineer, manufacturer of installation materials, and installer for best results.

- **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 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 an OUTER clé 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. Refer to your project architect, structural engineer and/or installer for best results.

- **PLEASE CONFIRM YOUR LANDSCAPE INSTALLER'S LEVEL OF 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 tiles from all boxes so that 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 qualities and inherent surface and color variations, which include pits, cracks, and chipping. Best placement of these nuances within your installation must be guided by you and/or your design professional to realize the best possible blend of your shipment of our limited-availability tiles. Your installation is only as good as your DRY RUN.

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

- **WAIT UNTIL YOUR PROJECT IS COMPLETE BEFORE INSTALLING YOUR TILES** - Install the tiles as late as possible in the project to minimize the risk of damaging the tile.

- **REQUIRE MOCK-UP BOARDS** – To ensure your tiles will be organized properly and your grout joint size and color, as well as your sealant, are done to your design professional's specifications- we urge you to require your installer create mock-up boards prior to your installation. A STANDARD PRACTICE for seasoned installers, it enables the end-user and their design professional to test tile layouts in mock-up form and allows 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 installing cabinets, fixtures, etc., you'll need to refinish the tile after those 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** - refer to the current edition of the TCNA Handbook for best installation results.

INSTALLATION AREAS

- **Freeze/Thaw Rating**
  - Colorwerks tiles are freeze/thaw resistant.
- **Slip Resistance**
  - Colorwerks Matte Flooring and Matte Grip tiles are slip resistant
- **UV Resistance**
  - Colorwerks tiles are UV resistant.
- **Walls**
  - Colorwerks tiles can be used on exterior walls.
- **Floors**
  - Colorwerks can be used on exterior floors in areas of heavy residential and heavy commercial traffic.
  - Radiant heating compatible.
- **Pools & Fountains**
  - Colorwerks tiles are suitable for use on pools, fountains, and water lines
- **Showers**
  - All Colorwerks tiles can be installed on shower walls.
  - Only Matte Flooring and Matte Grip tiles are suitable for shower floors.
- **Fire Pits & Ovens**
  - Colorwerks can be used on fire pit and pizza oven surrounds.
  - Colorwerks tiles are heat resistant
- **Backsplashes**
  - Suitable as a stove backsplash with additional placement issues taken into consideration.
  - Can be installed on sink backsplashes with application of a waterproofing, penetrating sealant.

MORTAR & GROUT

- OUTERclé recommends a 1/16" grout joint with this collection.
- OUTERclé recommends using mortar and unsanded cementitious grout that comply with the ANSI A118 and/or ISO 13007 classifications suitable for your project. Please consult with your installation professional to make these determinations.
- For waterline or submerged installations OUTERclé recommends using either an epoxy or polymer-fortified cement grout rated for submerged use.
- Grout color selection is always up to our client and/or their design professional. However, OUTERclé 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, OUTERclé would like to offer this general guideline on a grout color selection for any of your OUTERclé tiles.
    - First, have your contractor complete your tile installation, except for the grout portion.
    - Next, ask your contractor to bring ALL grout color charts from his preferred grout manufacturer for your review.
    - Lastly, choose a time of day when you are most pleased with the lighting in your space (either natural lighting, installed lighting or a blend of both). During that lighting and time of day, select the grout color that best matches your tile selection.
- If you are working with highly color-variegated tiles or a combination of tiles, we recommend that you follow the above recommendations—but match your grout to the color in your installation that you would like to accentuate.
- If your contractor is having any issues or questions regarding mortar or grout, please reach out to the manufacturer. They are the best and fastest line of contact.

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 (SCOF ASTM C1028)

“Wet Static Coefficient of Friction” (DCOF) / Average: >0.60*

*Reflects SCOF of Matte Flooring and Matte Grip tiles

“Wet Static 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 >0.55 (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.

FREEZE/THAW RESISTANCE (ASTM C1026 and ISO 10545-12)

Colorwerks tiles are freeze/thaw resistant.

The Freeze/Thaw resistance test is a guide for choosing tiles suitable to environments where freezing and thawing can occur.

WATER ABSORPTION (ASTM C373 and ISO 10545-3)

<3.0%; vitreous.

The water absorption test determines how much a tile absorbs when immersed in water. A lower number generally means a tile is better suited for outdoor installations.

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

ACID RESISTANCE

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

SOLAR REFLECTANCE INDEX (ASTM E1980)

Solar Reflectance Index: 68.37*

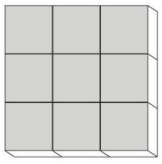
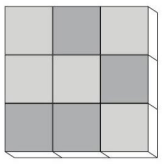
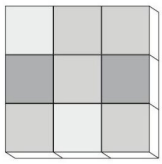
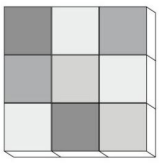
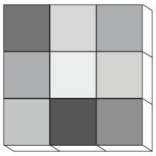
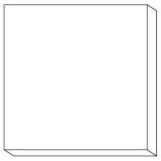
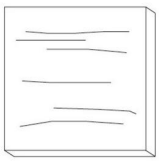
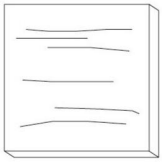
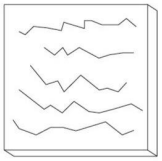
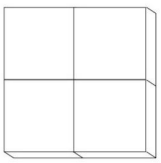
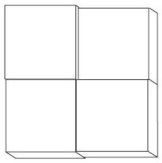
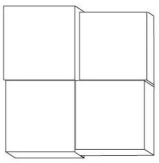
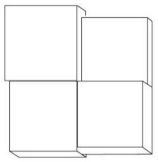
*Testing was performed on the Clear Day Blue colorway, a lighter blue color. Lighter colors absorb and retain 5-20% less heat than standard gray concrete. Mid-range colors perform comparably to gray concrete, while darker colors frequently test 10-25% hotter.

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 overall SRI score of at least 29 for the entire project.

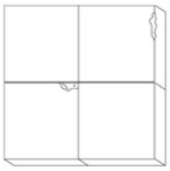
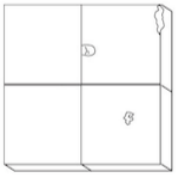
COLOR, TEXTURE AND SIZE VARIATION

Color variation: level 1 - low
Texture variation: level 1 - low to level 3 - heavy
Size variation: level 1 - slight

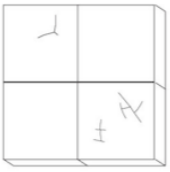
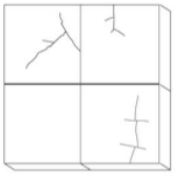
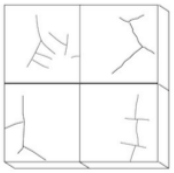
CATEGORY	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5
COLOR VARIATION	 low	 slight	 medium	 heavy	 extreme
TEXTURE VARIATION	 smooth	 slight	 medium	 heavy	n/a
SIZE VARIATION	 slight	 medium	 heavy	 extreme	n/a

IMPERFECTIONS

Chips: level 1 - will occur

CATEGORY	LEVEL 1	LEVEL 2	LEVEL 3
PITS / CHIPS	 will occur	 prevalent	 heavy

Crazing: level 1 - will occur

CATEGORY	LEVEL 1	LEVEL 2	LEVEL 3
CRACKS / CRAZING	 will occur	 prevalent	 heavy

FLOOR RATING

Colorwerks tiles are rated IV (can be used for light residential to heavy commercial 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. 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

Glazed ceramic tiles with a glossy,matte, or textured finish.

PRODUCT COMPONENTS

Clay and glaze.

DIMENSIONS

SHAPE	SHAPE DIMENSIONS	WEIGHT	SHEET DIMENSIONS	PIECES PER SHEET
CIGAR	5 cm x 20 cm x 1.6 cm (2″ x 8″ x ⅝″)	1.36 kg per sheet (3 lbs)	30.5 cm x 40.6 cm (12″ x 16″)	12
GRANDE	20 cm x 20 cm x 1.6 cm (8″ x 8″ x ⅝″)	0.54 kg per piece (1.18 lbs)		
MASON	10 cm x 20 cm x 1.6 cm (4″ x 8″ x ⅝″)	0.27 kg per piece (0.60 lbs)		
PETITE	10 cm x 10 cm x 1.6 cm (4″ x 4″ x ⅝″)	0.13 kg per piece (0.29 lbs)		
PIXIES	5 cm x 5 cm x 1.6 cm (2″ x 2″ x ⅝″)	1.36 kg per sheet (3 lbs)	30.5 cm x 40.6 cm (12″ x 16″)	48

* Please note all dimensions are nominal and can vary +/- ⅛″.

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.

Colorwerks tiles are considered 'inherently non-emitting sources' under the Low-emitting Materials Credit of LEEDv4/v4.1. **This is currently the only credit for our Colorwerks 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 ceramic tiles can withstand the test of time while remaining timeless.*

RECYCLED CONTENT

There is currently no recycled content in Colorwerks tiles. See material sourcing disclosure above.

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

There is currently no pre-consumer or post-consumer material content in Colorwerks Tiles. See Material Sourcing disclosure above.

FIRE RATING

We currently do not have fire testing results for our Colorwerks tiles and are exploring our testing options.