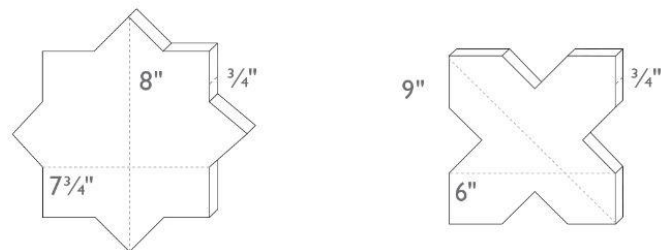
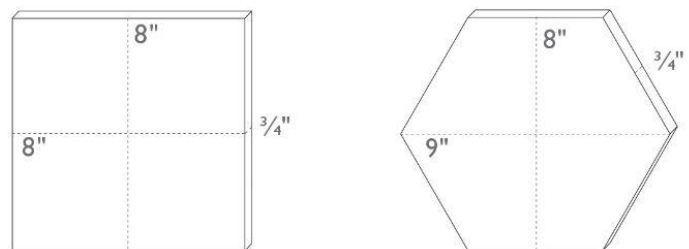
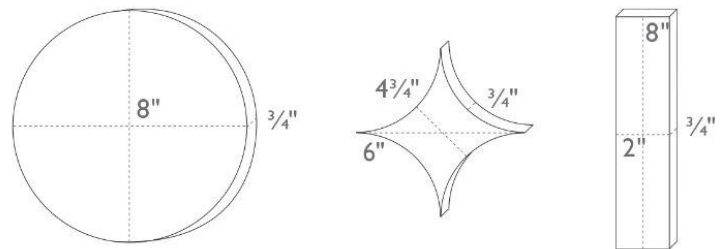


# BELGIAN REPRODUCTION

USAGE	Y / N
interior floor	Y*
interior wall	Y*
exterior floor	Y*
exterior wall	Y*
residential heavy traffic	Y
commercial heavy traffic	Y
radiant heating compatible	Y
fireplace surround	Y
shower	Y*
steam shower	Y*
fountain	N
freeze thaw	N
pool	N
heat resistant	Y
sink backsplash	Y*
stove backsplash	Y*
grout joint size	1/2" *
UV resistant	Y



**Standard thickness for all Belgian Reproduction is 3/4".**

Please note all dimensions are nominal. Please note that measurements can vary +/- 1/2".

\*There are specific installation requirements for this usage. Please discuss with your installer.

\*There are different grouts for the different looks to be achieved. Read more information under the grout sections of this document.

# BELGIAN REPRODUCTION

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**What's in our tile:** We've long admired the grand courtyards of northern europe, the patinas and refined rusticity of belgian design. We have been on a quest to find a tile that would echo these elements and would look equally good both indoors and out. We discovered this exquisite clay, and took a restored form of terracotta to create these belgian reproduction tiles perfect for grounding projects with an austerity as striking as an antique belgian surface.

We prize our belgian reproduction tiles for their variation and surface imperfections, which are a result of the hand mixed nature of their clay body, further enhanced during the firing process. There will be variations in thickness, size, texture, shade and color (including red clay inclusions in flemish black) 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!**

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## INSPECTING YOUR SHIPMENT

- Due to the natural materials and production process of belgian reproduction 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.
- Please note that chips and cracks are also common and to be expected.
- Industry standard suggests adding at least 15% overage due to tile cuts, potential shipping breakage, or future repairs.
  - note that due to the raw materials and firing methods used to create belgian reproduction tiles, your order will have a percentage of tiles greater than 15% with cracks and chipping to their clay body.
  - if these imperfections do not fit your project's needs we recommend ordering 20-30% overage. this allows your contractor to cherry-pick these imperfections from your order.
- Dust and shipping residue are to be expected and should be cleaned prior to installing.

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## INSTALLATION FYIs

- 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. Any installer without artisan tile experience will not know how to install clé tiles and will likely result in failed installations.
- As is standard in the tile industry, 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 is not covered by clé's warranty.
- 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.

- Install the tiles as late as possible in the project to minimize the risk of damaging the tile.
  - However, if you plan to install your tile prior to the installation of cabinets, fixtures, etc., refinishing will likely be necessary before your installation can be considered finished. Shipping imperfections are also alleviated by a refinishing as the final step of installation.
  - Please work with your project architect, structural engineer and/or installer to make sure that this final step is being accounted for in your project timeline and budget, and to ensure that you are getting the desired final look on your installation.
- **There are two looks that can be achieved on Belgian Reproduction tiles—a light look, an option for Flemish Black and the standard option for Flemish Red, and a dark look which is for Flemish Black only, and entails intentionally staining the surface of the tile with dark grout.**
  - **For the dark look**, it is important to remember not to seal or use a grout release prior to grouting. Follow by intentionally staining the surface of the tile by floating a dark grout ( we recommend Custom Building Products Polyblend #60 Charcoal Sanded Grout) all over and using a color enhancing sealer such as STONETECH Enhancer Pro Sealer to lock in the darker color.
  - **For the light look**, you must apply sealant or a grout release prior to grouting, then seal as recommended in our sealing, maintenance and care section below.
- **CAUTION: whichever look you choose, please note these are guidelines only so be sure to consult with your tile installer and do a test area prior to installation to ensure there are no site specific issues.**
- Please note that Belgian Reproduction tiles are porous and need to be given proper time to dry after each step of installation. Grout may need extra time to cure as well given the large grout joint size of 1/2".
- 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.
- 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.

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## INSTALLATION AREAS

- Belgian reproduction tiles are radiant heating compatible and can be installed on interior and exterior floors, including heavy residential and commercial traffic areas.
- Belgian reproduction tiles are heat resistant and can be used on fireplace surrounds.
- Belgian reproduction tiles can be installed on backsplashes, in bathrooms, showers and steam showers with the application of a penetrating sealer.
- Belgian reproduction tiles can be used as a stove backsplash. Please consult with your installer to see if a range splash is required for your installation.
- Belgian reproduction tiles can be used on interior and exterior non-freeze thaw location walls. Refer to the “Sealing, Maintenance, and Care” section below for exterior sealing recommendations.
- Belgian reproduction tiles are not freeze/thaw resistant.
- Belgian reproduction tiles should not be installed in pools or fountain areas.

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## GROUT

- clé recommends Mapei Flexcolor CQ grout for Belgian Reproduction light look tile installations.
- For the dark look (an option for Flemish Black installs), clé recommends Custom Building Products Polyblend #60 Charcoal Sanded Grout.
- clé recommends a grout joint size of at least 1/2". Should you find extreme variations in length between the pieces of your order, particularly with bundles, we recommend increasing or decreasing the grout joint size as needed within your installation to compensate and create a cohesive look.
- 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.
  - 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 your contractor is having any issues or questions regarding this grout, please reach out to Mapei tech support directly at 1-800-992-6273 as they are the best and fastest line of contact.
- **Please note that if you prefer a darker look on Flemish Reproduction tiles in black, it is possible to achieve the look by intentionally staining the tile by applying a darker color grout and allowing it to penetrate the tile. Please see steps in our 'Installation FYI's' section of this guide.**

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## SEALING, MAINTENANCE, AND CARE

- 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.**
- Belgian Reproduction tiles are highly porous and should be sealed as the final step of installation for all applications (dry and wet) to maintain their appearance and avoid staining. Both the tile surface and grouted areas should be sealed.
- If you are installing Belgian Reproduction on a busy kitchen backsplash where heavy staining is a concern, we recommend applying the clé top coat kit to the tile surface and grouted areas instead of using Laticrete sealing products. The clé top coat kit can provide even more protection against stains on backsplashes. Apply the top coat kit as the final step of installation. Please note that this product is only a top coat and should only be applied as the final step of installation. Please do not use this as a pre-grout treatment and be careful during the grouting

process, using a grout bag and cleaning up as you go. Otherwise, please follow the instructions below from Laticrete.

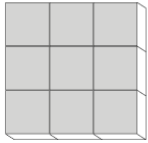
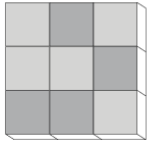
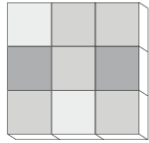
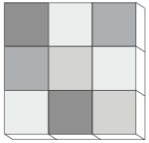
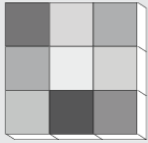

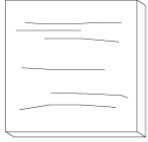

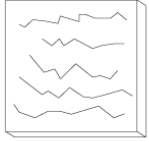
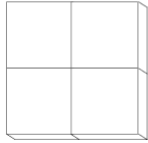
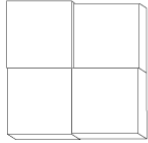
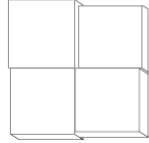
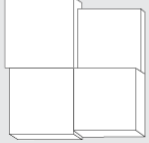
# ADDITIONAL SPECIFICATIONS

## COLOR, TEXTURE AND SIZE VARIATION

Because of the natural materials and the artisan production methods used in our Belgian Reproduction tiles, there will be noticeable variations in thickness, size, shade and color (including red clay intrusions). These differences are more pronounced in certain types of tiles than others, especially in tiles from separate production lots, or “batches”. This makes it unlikely that your sample will be a perfect match with your actual order or that your add-on order will be a perfect match to your actual order.

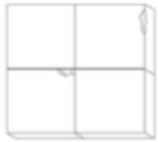





The following is a guide for the different degrees of variation that we have assigned our tiles:

Belgian Reproduction tiles are rated 'level 5 extreme' for color variation, 'level 3 medium' for texture variation, 'level 4 extreme' for size variation.

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

## IMPERFECTIONS

Belgian Reproduction tiles are rated 'level 2 prevalent' for chips and cracks.

	LEVEL 1	LEVEL 2	LEVEL 3
PITS/CHIPS	 will occur	 prevalent	 heavy
CRACKS	 light	 medium	 heavy

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## FLOOR RATING

Belgian Reproduction 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 bathroom, bedroom, formal dining and living rooms. 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 continuous foot traffic. examples can include entry, hallway, kitchen, foyer, laundry and mud rooms. 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 commercial offices, doctor's offices and boutiques. 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 hotel lobby, retail, corridors in an office building, shopping mall and restaurant. 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 restaurant kitchen, bar work area, winery production, exterior hotel entry, airport, car showroom, driveway. 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.)

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## PRODUCT DESCRIPTION

Hand-formed and fired, unglazed, non-vitreous terracotta tiles.

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## PRODUCT COMPONENTS

Clay.

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## DIMENSIONS

Rectangle	5 cm x 20 cm x 1.9 cm (2" x 8" x 3/4") / .36 kg per tile (.8 lb)
Losange	12 cm x 15 cm x 1.9 cm (4 3/4" x 6" x 3/4") / .36 kg per tile (.8 lb)
Circle	20 cm x 20 cm x 1.9 cm (8" x 8" x 3/4") / 1.13 kg per tile (2.5 lbs)
Square	20 cm x 20 cm x 1.9 cm (8" x 8" x 3/4") / 1.59 kg per tile (3.5 lbs)
Star	19.7 cm x 20 cm x 1.9 cm (7 3/4" x 8" x 3/4") / .91 kg per tile (2 lbs)
Cross	15 cm x 23 cm x 1.9 cm (6" x 9" x 3/4") / .68 kg per tile (1.5 lbs)
Hex	20 cm x 23 cm x 1.9 cm (8" x 9" x 3/4") / 1.36 kg per tile (3 lbs)

\* Please note all dimensions are nominal. Please note that measurements can vary +/- 1/2".



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## **AVERAGE COEFFICIENT OF FRICTION (DCOF ACUTEST)**

“Wet Dynamic Coefficient of Friction” (DCOF)—avg. 0.81\*

Please note that a sealant may help increase slip resistance.

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## **FREEZE/THAW RESISTANCE (ASTM C1026)**

Belgian Reproduction tiles are not freeze/thaw resistant.

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## **WATER ABSORPTION TEST (ASTM C373)**

Avg. 14.0%; non-vitreous.

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## **ACID RESISTANCE**

Belgian Reproduction tiles are not resistant to acids and should be cleaned with pH neutral cleaners.

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## **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.

Belgian Reproduction 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 Belgian Reproduction 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.*

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## **RECYCLED CONTENT**

There is no recycled content in our Belgian Reproduction tiles at this time. See Material Sourcing disclosure above.

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## **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.

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## **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.

Terracotta 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.”

