

2022

Cement Tiles

Concrete Tiles Collection



ELISA PASSINO STUDIO

Our Cement Tiles are, as in the past, hand-produced one by one.
Made from an ingenious combination of marble powder,
Portland cement, water, sand and natural mineral pigments,
these tiles are environmentally friendly
and sustainable, just like many centuries ago.

No heating is involved during the production
as the tiles are not kiln-fired, but left to dry in fresh air
for 21 to 28 days.



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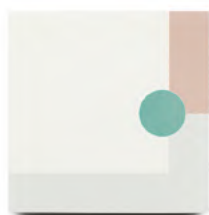


On the wall: CAPITELLO Cement Tiles
Floor: CENTINA Cement Tile
Project: Modus Workspace by FORA Space

Our Cement Tiles are characterized by its particular colour shading, matte finish, smooth texture and countless combinations.



CENTINA



ABACO



ARCO



CAPITELLO



OBELISCO



LUNETTA



ABSIDE



AGORA



ESEDRA

Suitability Floors, walls, kitchens, bathrooms, swimming pools

Size 20x20 cm

Thickness 1,5 cm

Tiles per square meter 25 tiles



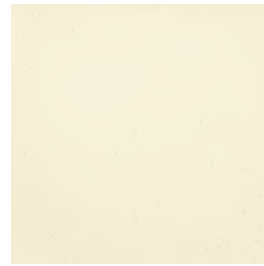
ARCO Cement Tiles



C001



C050



C003



C018



C023



C022



C021



C033



C052



C025



C020



C030



C035



C043



C042



C010



C037



C007



C006



C005



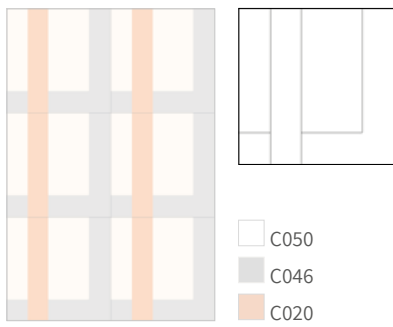
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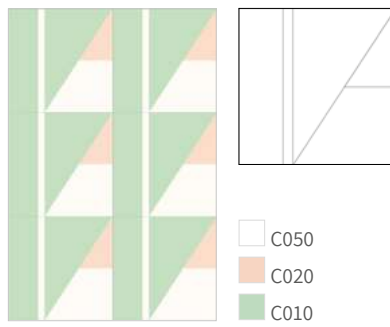
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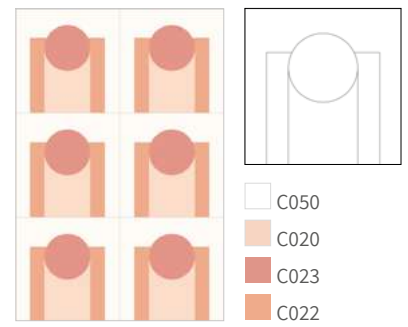
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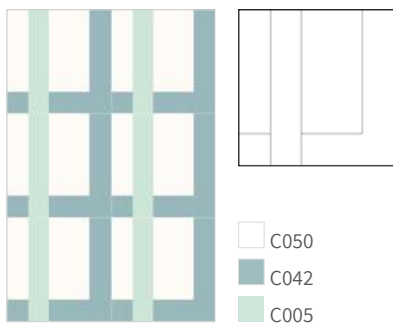
6000.E
Centina



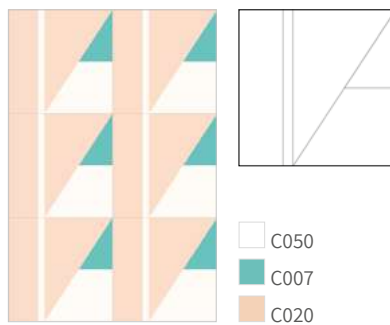
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Esedra



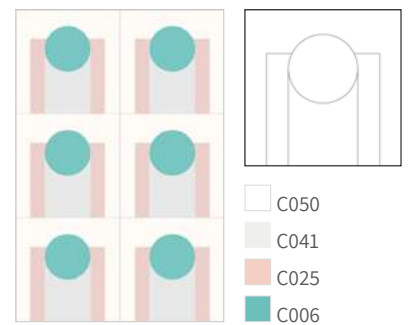
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Obelisco



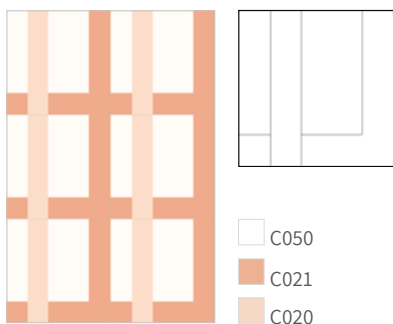
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Centina



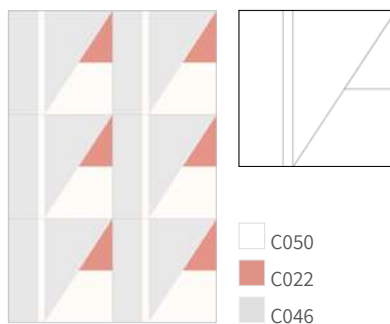
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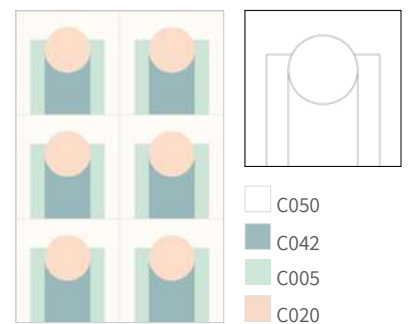
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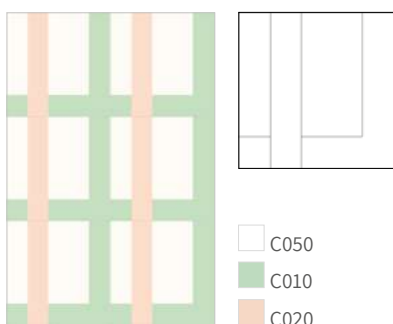
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Centina



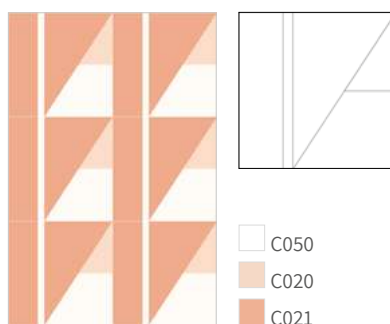
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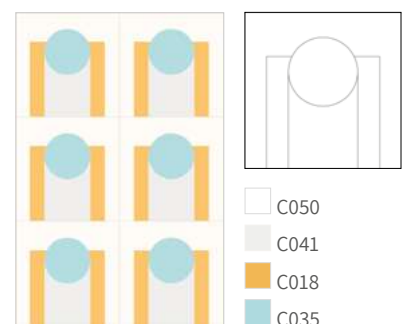
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6000.D
Centina



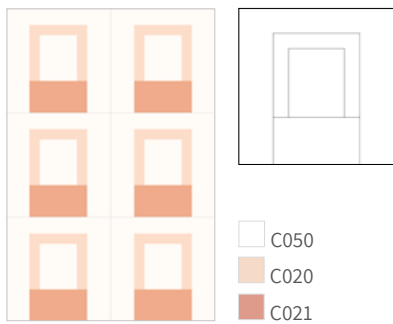
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Esedra



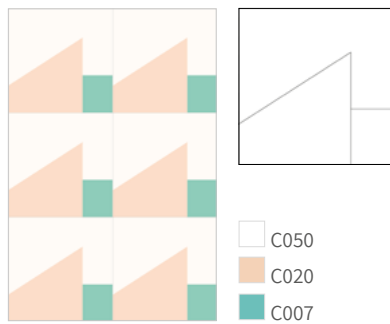
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Obelisco

Tile Size: 20x20x1,5cm | Tiles per square meter: 25

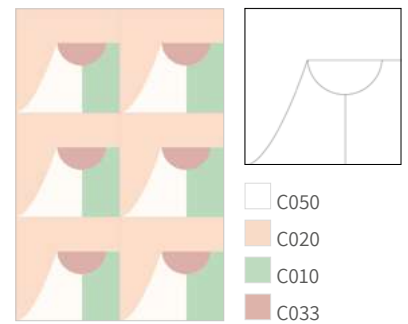
There may be some variation in the colours of the actual product
Drawings not to scale. Tiles are handmade, shade variation can be expected.



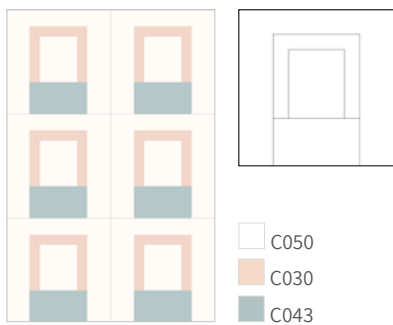
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Agora



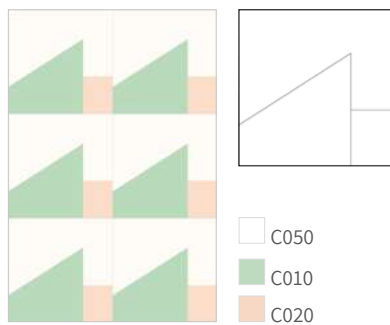
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Lunetta



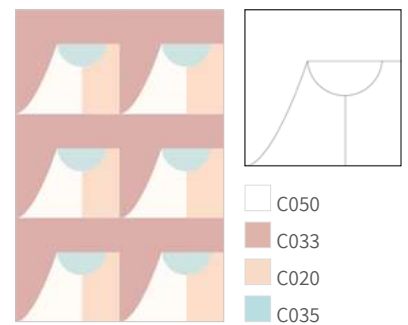
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Arco



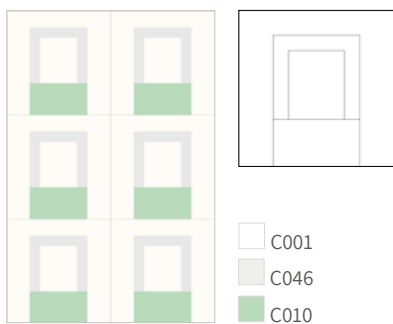
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Agora



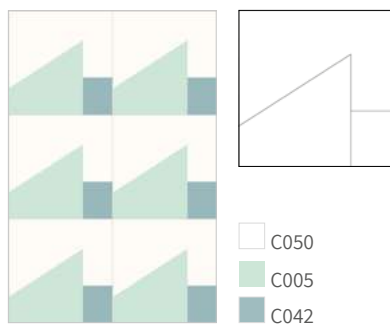
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Lunetta



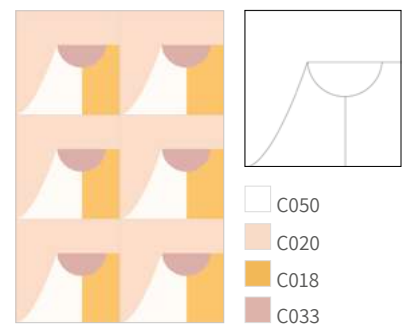
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Arco



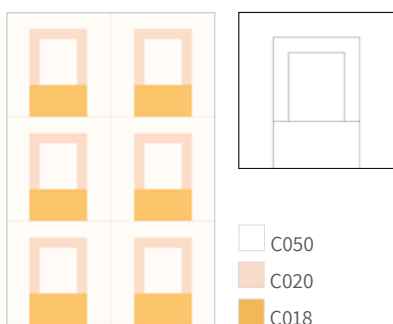
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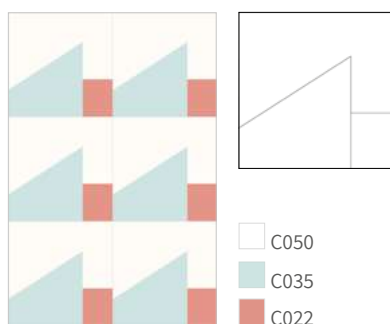
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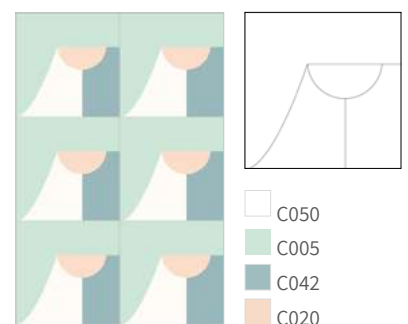
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Arco



6006.C
Agora



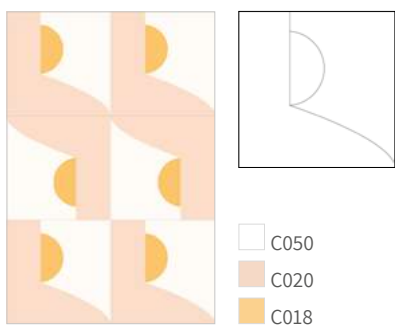
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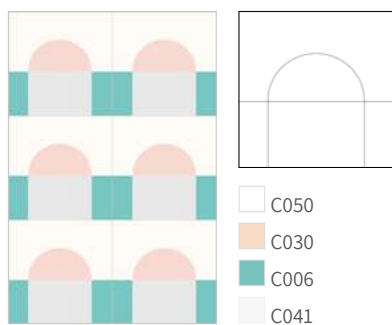
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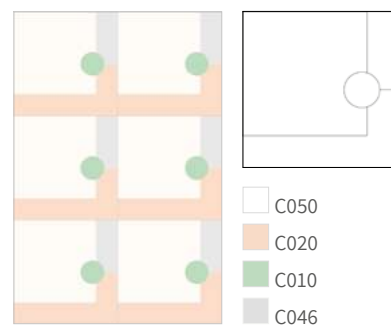
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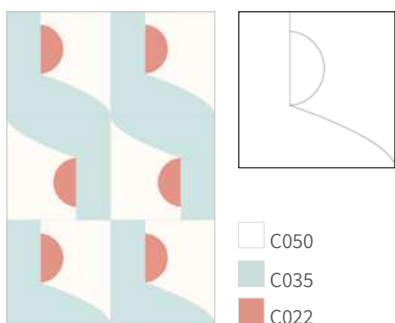
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Abside



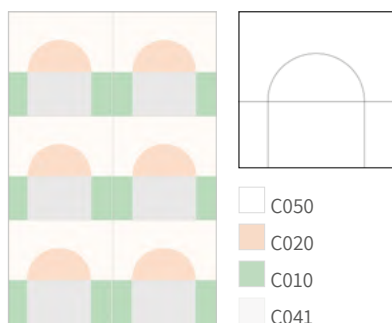
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Capitello



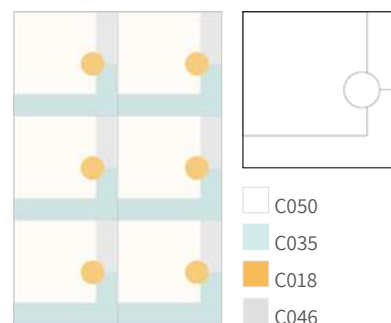
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Abaco



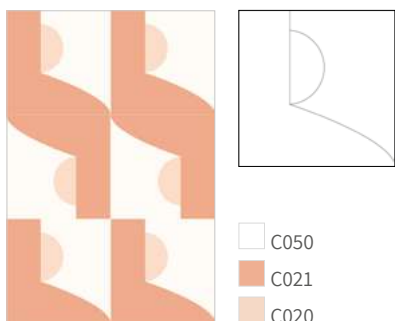
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Abside



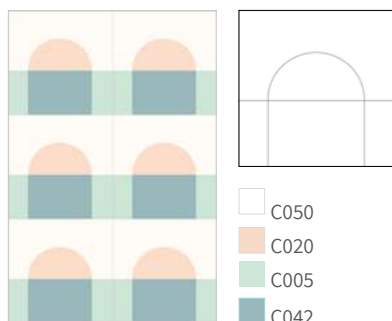
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Capitello



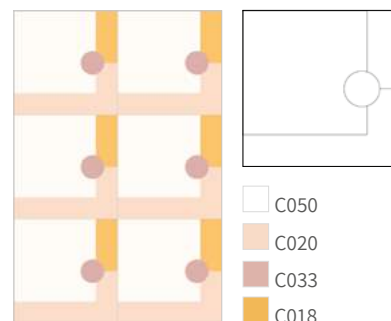
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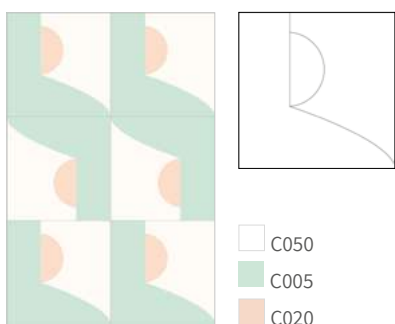
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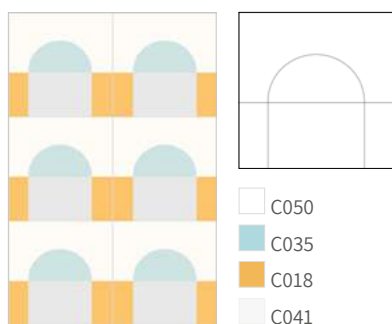
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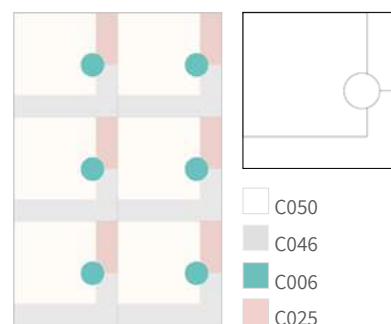
6001.C
Abaco



6007.E
Abside



6004.C
Capitello



6001.G
Abaco

Tile Size: 20x20x1,5cm | Tiles per square meter: 25

There may be some variation in the colours of the actual product
Drawings not to scale. Tiles are handmade, shade variation can be expected.



عوش
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CAPITELLO Cement Tiles
Project: Abu Gosh Moscow by Studio Shoo

Please note these tips are guides only and should be used in addition to the relevant industry standards for encaustic cement tiles. Note that installation may vary from site to site with varying conditions experienced on site. The contractor and specifier should decide if these suggestions are suitable for their application or require further adjustment.

TILE UNDERSTANDING

Shade variation: These are hand-crafted products and so there will, of course, be some variations in colour tone and natural character that make them unique. Shade variation is inherent in encaustic cement tiles and certain tiles will show greater variation within their lots.

TILE PREPARATION

Meticulously plan your layout. The time you take for preparation and placement will greatly impact the finished result.

- Prior to the installation allow tiles to season in their final environment.
- Pre-sort your tiles so you can distribute the range of variation throughout the installation.
- Blending is recommended.
- Inspect each tile deformities that make its use inappropriate for the application intended.
- Both sides of the tiles should be wiped cleaned of any dust before installation.
- The tiles can be cut using a diamond-blade (ideally a water-cooled machine).

OPTIONAL: Before installation, once the tiles are perfectly dust cleaned apply two coats of an impregnating sealant with a wide brush or roller.

TILE LAYING

Proper substrate preparation and the right choice of adhesives and grouts for the type of tile and specific project conditions are critical for achieving a long-lasting installation.

Laying General Methods:

1. Prepare the surface. Cement tiles must be installed on a well leveled, clean and dry surface. Humid subsoil will

cause for deposits on the tile's surface.

2. Determine the layout and mark the surface. For aesthetic and technical optimisation, define starting points and cuttings.

3. Apply the proper tile adhesive. Use a large-toothed trowel to spread the adhesive.

4. Back butter tiles. Apply adhesive on the back of the tile using a large-toothed trowel.

5. Install the tiles. Lay the tiles and press into place using your hands leaving a thin gap (1 or 2 mm) for the joint. Ensure tiles are completely level throughout the installation, as unevenness cannot be rectified later.

TILE SURFACE PREPARATION BEFORE SEALING AND GROUTING

Once the adhesive is dry, clean the surface by scrubbing it using a diluted solution of alkaline cleaner and rinse with warm water. It will remove any dust and dirt that may have accumulated during the installation process, eliminating as well the thin layer of pigmented dust that can still cover the tiles.

Tiles should then be allowed to set for 24 hours before applying sealant and grout.

TILE SEALING BEFORE GROUTING

An impregnating sealing is an essential step in protecting the beauty and ensuring the longevity of cement tiles, as it accentuates the appearance and helps to protect against fading and staining.

The sealant is a solvent based liquid that limits water and oil penetration. It impregnates the tile, protects it and keeps its natural matt aspect.

Apply with a brush or a roller on a dry and clean surface. This should be applied in successive applications until the tile is fully saturated. Saturation has been achieved

when an even layer of sealant is still visible on the surface after 30 minutes.

Do not apply too much. The excess would leave glistening stains on the surface (brush traces).

Always try the sealer on a loose tile before applying it on the entire surface in order to measure the grade of absorption of the tiles.

TILE GROUTING

It is recommended to use a non-pigmented, exible, cementitious grout compound suitable for the application of cement tiles. Pigments from the joint might stain the tiles irreversibly.

Grouting General Methods:

1. Seal the tiles. Always ensure that surfaces are properly sealed before grouting.

In order to prevent the soiling or staining, a proper sealant must be applied, so that the grout residues do not get deeply adhered to the tiles layer of pigments and these can be removed easily.

2. Grout the joints. Fill the gap between the tiles using a spatula, without spreading the grout on tiles.

3. Remove excess. Clean the excess grout immediately, using a damp cloth. Do not use chemical cleaners.

4. Clean the floor. Remove any cement residue stains immediately, using a pH neutral cleaner.

Never use cement remover, strong detergents or bleach as these will damage the tiles. Stains or spots can be delicately removed with a scouring pad or fine-grained sandpaper.

FINISHING AFTER GROUTING

The finishing completes the protection against wear and dirt.

Always apply a final coat of impregnating sealant making sure to cover the grout joints as well.

Further to the above you can also apply a surface wax.

This will offer extra protection and give an attractive patina.

For larger surfaces or high traffic floor (bars, restaurants and other public spaces), a special protection and

attention on a daily maintenance is recommended.

Using a polishing machine may accelerate the process and protect the entire floor evenly.

MAINTENANCE

Keep the surface as free as possible of loose dust and grit with regular vacuuming or sweeping. This will reduce the sandpaper effect of dirt getting compacted into the surface and joints.

Wash the floor using a pH neutral cleaner (ideally biodegradable and environment friendly) to remove the dirt that a vacuum won't pick up and for hygiene purposes.

We strongly recommend avoiding the use of bleach based cleaners, washing-up liquids or any other acid cleaners.

All you need to know about our Cement Tiles Collection

PRODUCT UNDERSTANDING

_ARE CEMENT TILES A GREEN MATERIAL?

Cement Tiles are truly a green material. During the production of cement tiles no heating is involved, as the tiles are not kiln-fired but left to dry in fresh air for 21 to 28 days and the materials used are environmentally friendly and sustainable, just like many centuries ago. That's why more and more professional designers and consumers like to use cement tiles as a high quality and decorative element.

_WHAT EXACTLY IS THE CEMENT TILE CURE?

After pressing, encaustic cement tiles are soaked in water to ensure proper hydration for curing. Like structural concrete, cement tiles cures and hardens chemically over time. It is not that the cement dries, but that it goes through hydration and carbonation (chemical reactions that converts the calcium oxide in the Portland cement to calcium hydroxide, and eventually calcium carbonate). It takes about 4 weeks for the cement to reach 90% of its potential strength, and it will continue to gain strength for decades.

_DO COLOURS VARY OVER TIME?

The tile colour will change slightly as the cement cures, and will be affected again when sealed. Tiles may also fade in the sunlight and rain.

BESPOKE & CUSTOMISATION

_CAN I CUSTOMISE A PRODUCT?

Yes, we are happy to produce custom colours and sizes to best fit your project, although there are limitations to what we can achieve in concrete.

PLACING AN ORDER

_CAN I BUY ONLINE?

We are not prepared to sell directly through our website. For ordering tiles, custom requests, pricing, lead times or other needs please email or call us so one of our Design Consultants can offer personal assistance.

_DO YOU SHIP INTERNATIONALLY?

We have successfully supplied tiles for projects all over the world. We are happy to provide a shipping quote for international orders.

_DO YOU HAVE ANY TILES IN STOCK?

Although we mainly produce to order, we might have a selection of stock available. Please contact us to know about the stock.

_CAN I GET SAMPLES?

It is possible to order color samples of the wanted design. Samples made to order will have same lead time as a project order.

_ARE THERE ANY MINIMUM ORDER QUANTITIES? DO YOU CHARGE A SET-UP FEE FOR SMALLER ORDERS?

There is a 3 sqm minimum order per reference. Because each order is custom made, a set-up procedure is required.

_SHOULD I ORDER EXTRA TILES?

Yes, we advise a 10% contingency on top of the minimum quantity needed. This overage allows for the possibility of breakage during installation, for greater range selection and extras in case of damage in the future. Always refer to your installer when determining quantities.

_CAN I RETURN MY TILES?

Because we make our tiles specially for you, returns are not accepted unless they are defective or damaged in shipping.

_ONCE AN ORDER IS PLACED CAN I CHANGE IT?

Because each order is custom made, we cannot change it once it has gone into production. If you do have a change, please contact us immediately to see if we can help resolve the matter quickly.

_WHAT WOULD BE THE MINIMUM LEAD TIME FOR EMERGENCY ORDERS?

If you need materials sooner for a rush order or job completion, please call and ask for a lead time specifically for you. Although we keep a limited quantity of our most popular products on hand, we operate on a first come first served policy without discrimination. When your order is placed check with us what is the estimated lead time.

INSTALLATION & MAINTENANCE**_CAN CEMENT TILES BE INSTALLED OUTDOORS?**

There are several considerations in regards to exterior usage of Cement Tiles. First, tiles may experience some cracking if installed in an environment with freeze conditions. A second consideration for outdoor installations is sun exposure. The tile colour may diminish with UV exposure, especially blue and green pigments. Furthermore, if you want to keep a glossy, perfect finish, we do not generally recommend them for outdoor use.

_CAN I INSTALL YOUR TILES ON THE KITCHEN BACKSPLASH?

Yes, certainly. As with any installation, however, they should be well sealed to prevent staining.

_CAN CEMENT TILES BE USED WITH RADIANT HEAT FLOORS?

Yes, cement tiles have excellent thermal mass and are sublime with a radiant heat floor. When installing over radiant heat, we suggest a larger grout joint (3-4 mm) instead of the small grout joint (1-2 mm) we normally recommend. Also, the grout material should be flexible. This will allow for some natural expansion/contraction of the heated floor without cracking the tiles.

_WHAT SIZE DO YOU SUGGEST FOR GROUT SPACING?

Our Cement Tiles are sized to accommodate a 1 to 2 mm grout space, a much tighter grout joint than is typical with ceramic tiles, so the visual effect is more like a carpet. Many factors determine the size of a grout joint. It is important to discuss it with both your architect and installer.

_ARE YOUR CEMENT TILES PRE-SEALED?

We always send our tiles in a natural state, therefore they must be always sealed upon installation. When needed, the necessary treatment products can be sent along with the material but they would have to be applied on site.

_DO I NEED TO SEAL THE CEMENT TILES?






Yes. Sealing is essential to protecting the beauty and ensuring the longevity of any cement tiles.

_WILL THE TILE BE STAINED BY WINE OR ACIDS?

If it is correctly sealed, it will not absorb stains. Soda, wine, acids, etc. should not be left to sit on the tile as they will eventually eat through the sealer and stain the tile.

_HOW DO I MAINTAIN MY CEMENT TILES?

The tiles should be cleaned with pH-neutral soap and water. Do not use any acids or bleach on these tiles. If sealed with a topical sealant, they may need to be resealed every couple of years.

Technical Features	Standards	Test Results	Compliance
 Determination of water absorption	EN ISO 10545-3-97	6,4 %	YES
 Determination of flexion resistance and breaking load	EN ISO 10545-4-97	R = 7,6 N/mm ² (distance between supports = 180mm)	YES
 Determination of chemical resistance	EN ISO 10545-13-98	Class UA, ULA, UHA	YES
 Determination of abrasion resistance	Wide Disk Method	Print Length 28,0	YES
 Determination of slip resistance	UNE EN 12633	53 USRV	YES

Cement Tiles, Cement Portland Class 3.
 Test report, ELABORA - Agencia para la Calidad en la Construcción, S.L.



For further information about the collection, Terms and Conditions,
Installation and Maintenance, please visit our website:

elisapassino.com

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