



# ENCAUSTIC CEMENT TILE FROM VIETNAM



## ABOUT CEMENT TILES

Encaustic cement tiles are made of natural materials with two layers:

- The first layer (colored and patterned) is about 3-4 mm of thickness including pigments and additive to make color sustainable and sharp as well as water absorption. This additive also protects tiles from being stain caused by coffee, tea or other strong-stained factors.

- The second layer (grey) is used to strengthen the tiles from the ordinary materials such as cement, fine sand.

We do not use clay like ceramic or terracotta, so no agricultural land is consumed during the production.

Besides, they're also used the same as traditional way of manufacturing by our high skilled crafters who have been handcrafting cement tiles for generations.



Nowadays, encaustic cement tiles have often been using in high grade and luxury buildings, restaurants, hotels or even in cottages in countryside to create antique and unique looks.



## HOW TO MAKE



1) We insert the Pattern divider inside the mold. Then we pour the colors inside the pattern divider chambers

2) The pattern divider is removed and the first coat is covered with two layers of mortar is dry and the other one is humidified

3) After that we insert it inside the hydraulic machinery.

4) The tile is removed carefully by the craftsman

5) After 24h of curing, the tile is dipped inside water for an hour.

6) The tiles are left inside cooling room for 4 weeks to dry and cure. After that, the tiles are packed inside carton boxes and already to be shipped to our clients.



## **INSTALLATION**

The process that we advise you for the installation is very simple and rapid to accomplish.

a) After you prepare the concrete cover. The tile retained almost 2 cm height.

(For example: square's thickness 20 x 20 is 1.4 cm and the adhesive mortar's 0.5 cm).

- Not have a harmful evaporation of the water contained in the cover through your cement squares ground let dry the cover. An installation on a humid cover facilitates the passage of white milts on your ground. These calcareous spots will disappear from 3 to 4 months afterwards.
- If you choose a carpet, you will begin your installation by the central design. Then, the border and simple squares will be automatically re-cut by the wall's limits.

b) To have a good adherence of the square, submerge it in its basin before the installation.

c) Spread out carefully the adhesive cement on the cover using a toothed paint scraper.

d) Applying the adhesive cement on the gray face the square.

e) The exceeding of adhesive cement has to be cleaned on the surface with a humid cloth.

## **IMPORTANT**

Don't leave any space among the squares

Adjust the squares to form the design well

A good leveling of your ground will facilitate its polishing.

## **MAINTENANCE**

It is preferable to perform the maintenance during the summer to protect and to waterproof from staining products such as (coffee, red wine. etc...) to enhance the color of the floors

a) Removing cement stains using sandpaper with water

b) Wipe well to remove the marks made by the sandpaper

c) Clean with neutral soap

d) Do not use acidic products on your floors

e) For better result, we advise you to perform on dry floors during the summer

f) Performing on a wet floor will result in micro-stains which will disappear within 2-3 months

g) We suggest that you do this maintenance once a year.

### AVAILABLE PATTERNS

- Patterned tiles*
- Patterned tiles in Terrazzo finishes*
- Patterned tiles in Engraved finishes*
- Skirtingboards*
- Customized Patterns*

### AVAILABLE SIZES

- 30x30x2.0cm*
- 20x20x1.4cm*
- (Octagonal tiles) 17x17x1.4cm*
- 15x15x1.4cm*
- 14x14x1.4cm*
- 10x10x1.4cm*
- 5x5x1.4cm*
- 20x10x1.4cm*
- 30x10x2.0cm*
- Customized Sizes*

### Patterned Cement tiles

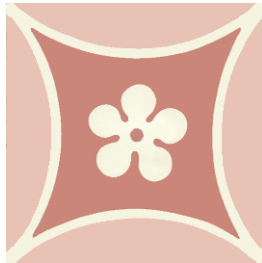
There are hundreds of available patterns after long tradition of making cement tile in Vietnam. Besides all patterns can be customized



No: E2001



No: E2002



No: E2003



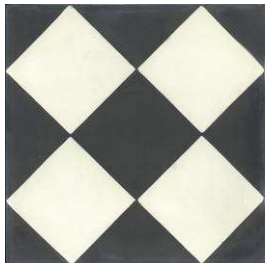
No: E2004



No: E2005



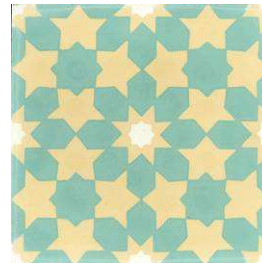
No: E2006



No: E2007



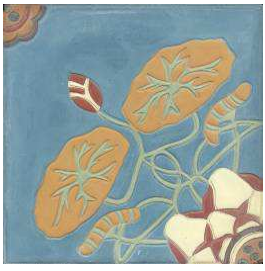
No: E2008



No: E2009



No: E2010



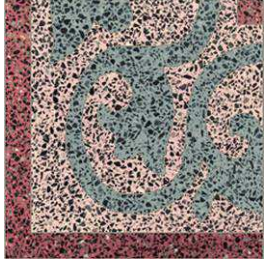
No: EE20101 (Engraved)

No: EE20102 (Engraved)

No: EE20103 (Engraved)

No: EC20104 (Engraved)

No: EC20105 (Engraved)



No: ET20201  
Terrazzo finish

No: ET20202  
Terrazzo finish

No: E20203  
Terrazzo finish

No: ET20204  
Terrazzo finish

No: ETC20205  
Terrazzo finish

*Plain Cement tiles*



No: EP2001

No: EP2002

No: EP2003

No: EP2005

No: EP2006

No: EP2007



No: EP2008

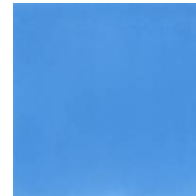
No: EP2009

No: EP2010

No: EP2011

No: EP2013

No: EP2014



No: EP2015

No: P2016

No: P2017

No: EP2018

No: EP2019

No: EP2020



No: EP2021

No: EP2022

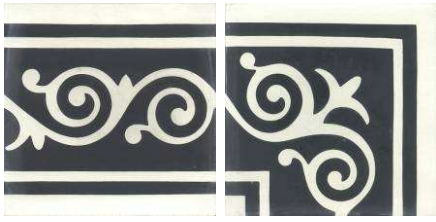
No: EP2023

No: EP2024

No: EP2025

No: EP2026

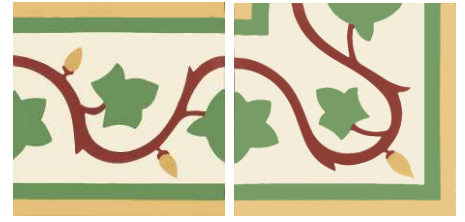
*Border and Corner*



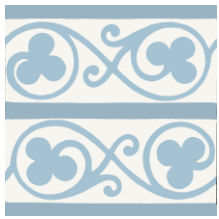
No: EB & EC10



No: EB & EC11



No: EB & EC12



No: EB13



No: EB14



No: EB15



No: EB16



No: EB17



No: EB18

*Skirtingboards*



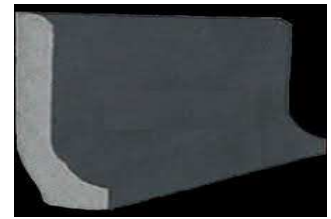
No: ES10



No: ESP20

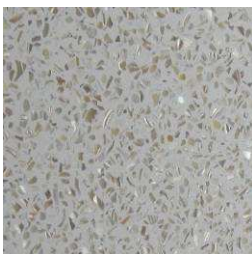


No: ES21



No: ES11

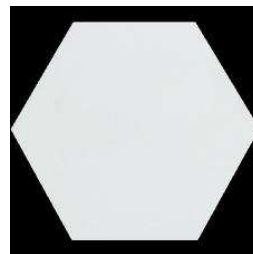
*Special shapes*



No: EP07



No: ET08



No: EH10



No: EO14

**PACKING STANDARD**

No	Size (cm)	Pcs per box	Boxes per pallet	Pcs per pallet	Pcs per m2
1	20 X 20 X 1.4	12	60	720	25
2	14 X 14 X 1.4	12	112	1,344	50
4	15 X 15 X 1.4	12	96	1,152	44
6	20 X 10 X 1.4	12	100	1,200	50
7	10 X 10 X 1.4	24	60	1,440	100
8	7 X 7 X 1.4	48	112	5,376	200
9	14 X 10 X 1.25	18			100
10	14 X 7 X 1.6	24	112	2,688	50



Tiles are put face to face. Between the tiles, there are white papers to protect tile surface.

Then, carton boxes are put into wooden pallets. Pallets will be loaded into container. Each 20 ft container can be loaded with 24 pallets depending on the maximum tonnage allowed by shipping companies.



**TECHNICAL SPECIFICATION**

Eureka cement tiles are safely to the environment. And you can see more information as detailing tables below:

**Tables 01:**

No	Name of defects	Allowed level	
		A Grade	B Grade
1	Maximum tolerance of square corners in mm is not bigger than	0.5	1
2	Maximum of warping surface in mm is not bigger than	0.5	1
3	Maximum of curving edges in mm is not bigger than	0.1	0.2
4	Maximum of colour fading, tolerances between lines and connection of patterns compared to standard colour in mm is not bigger than.	1	2
5	Breakage of facing layer, its depth is not over 1mm and its length is not over 10mm.Caculated by marks, spots is not over	1	2
6	Breakage of corners on facing layer is not over 3mm.Caculated by marks, spots is not over	0	2
7	Breakage of base layer with size is not over 10mm.Caculated by marks, spots is not over	1	2

**Tables 2:**

No	Characteristics	Unit	Parameter
1	Water absorption	%	6
2	Breaking strength	daN/pcs	162
3	Abrasion	g/cm2	0.39
4	Impact resistance	times	>30

## CONTACT

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Ref: 10243

Colors: B+C+M+GF+LM