

Zellige technical data sheet

Composition, applicable standards and laboratory tests

Applicable standards & norms

Zellige tiles are traditional tiles from Morocco, for wall decoration. Zellige tiles are handcrafted and not industrially manufactured, which makes every tile unique in its characteristics. Due to this non-standardized nature, there is no international norms (CE, ISO, DIN..) that could include and refer to Zellige tiles.

Nevertheless, we have carried out a series of standardized tests adapted to ceramic products on our Zellige tiles. Please find the results in the following section:

Resistance to surface Abrasion*

ENAC laboratory, AICE-ITC, 2017.

Tests according to standard : UNE-EN ISO 10545-7:1999.

Results: Classification: CLASS 4. Abrasion stage at failure: > 12000 rev.

Determination of resistance to Thermal Shock*

ENAC laboratory, AICE-ITC, 2017.

Tests according to standard UNE-EN ISO 10545-9:2013.

Results: Number of tiles tested 5; number of tiles with visible defects: 0.

Observed defects: No tested piece showed signs of thermal shock.

Determination of chemical resistance*

ENAC laboratory, AICE-ITC, 2017.

Tests according to standard UNE-EN ISO 10545-13:1998.

Results: Ammonium chloride 100g/l; no visible effect.

Hydrochloric acid 3%: no visible effect.

**Please note that due to the non-standard nature of the product, any test applies exclusively to the tiles tested.*

VOC* emission tests*

Eurofins product testing, 2021

French VOC regulation (DEVL 1133129⁹): A+.

French CMR components (DEVPO908633A et DEVPO910046A) : PASS. Italian CAM

Edilizia (GU n.259) : PASS. ABG/AgBB (Ausschuss zur gesundheitlichen Bewertung von Bauprodukten) : PASS

Belgian Regulation (C-2014/24249): PASS. Indoor Air.

Comfort GOLD (Eurofins): PASS. BREEAM International:

Exemplary level. LEED v4.1 BETA: PASS

Composition and production

The Zellige is manufactured at our manufacturing facilities in Morocco, following traditional processes of craftsmanship.

Tiles are elaborated one by one from non-refined natural clay extracted in the region of Fez. This "white" clay is mixed and kneaded with water, moulded by hand, dried naturally and kiln-baked.

The glazing (vitreous compounds and mineral pigments) used in our factory are of European origin

Size and finish

Zellige tones vary subtly in depth, saturation, and reflection. Each tile has a unique irregular surface and color finish. There also might be variations in thickness (+/- 1.5 mm) flatness and size.

We deliver tiles within a range of variation that we deem acceptable and according to the definition of Zellige – view showroom displays and images on our website for more information.

Weight and packaging

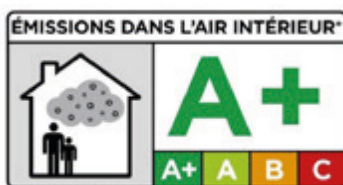
Each standard square meter (11-12mm thickness) weighs 16/22 kg. The weight of the packaging, pallets and protection should be added for transport. Tiles are protected with foam dividers and packaged in boxes depending on shape. For example, 10x10 tiles are packed in 32x20,6x10 cm cardboard boxes containing 50 tiles and weighing 12 kilos.

Not Food Safe

Zellige tiles are decorative ceramics for wall use and should not be placed on surfaces in contact with food such as tables, kitchen worktops.



Not food safe



*Information sur le niveau d'émission de substances volatiles dans l'air intérieur, généralement un risque de santé par inhalation, sur une échelle de classe allant de A+ (très émissives) à C (faibles émissions).