



## TECHNICAL DATA SHEET - TERRACOTTA

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### PRODUCT DESCRIPTION

Megzo Terracotta tiles are handcrafted clay tiles produced using traditional artisanal methods. Each tile is individually molded, naturally air-dried over an extended period, and kiln-fired to achieve structural strength and long-term durability.

Because of the manual production process and the natural composition of the clay, variations in tone, texture, surface movement, size and flatness are inherent characteristics of the material. These natural variations are part of the aesthetic identity of authentic terracotta and are not considered defects. Megzo Terracotta is a natural clay product and not an industrially standardized ceramic tile.

### MATERIAL COMPOSITION

- Natural unrefined clay
- Fine mineral aggregates
- Water
- No synthetic additives

Raw materials are carefully selected and processed to ensure mechanical strength and consistent quality.

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### MANUFACTURING PROCESS

1. Clay preparation
2. Manual molding
3. Natural air drying (several weeks depending on climate conditions)
4. Controlled kiln firing

### Average firing temperature:

Approx. 950–1050°C (1740–1920°F)

Tiles are single-fired to maintain natural density and material performance.

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## WEIGHT & COVERAGE (APPROXIMATE)

### Thickness

Standard thickness range:

18–20 mm (approx. 3/4")

Dimensional tolerance due to handcrafted process:

- Size variation: approx.  $\pm 3$  mm
- Thickness variation: approx.  $\pm 2$  mm

### Weight

Average weight per square meter (18–20 mm thickness):

39–42 kg/m<sup>2</sup>

(approx. 86–93 lb/m<sup>2</sup>)

≈ 8–8.6 lb/ft<sup>2</sup>

Weight varies depending on format and thickness.

### Water Absorption

Average water absorption range:

Approx. 10–13%

Terracotta is naturally porous.

Sealing is recommended depending on installation environment and intended use.

### Slip Resistance

The natural texture of terracotta provides high slip resistance.

Suitable for:

- Interior flooring
- Covered exterior areas
- Residential and hospitality environments

Slip performance may vary depending on surface treatment and maintenance.

### **Water Absorption**

Average water absorption range:

Approx. 10–13%

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Sealing is recommended depending on installation environment and intended use.

### **Apparent Density**

Approx. 1.8–2.0 g/cm<sup>3</sup>

### **Frost Resistance**

Due to its porosity, terracotta requires sealing for freeze–thaw environments.

Exterior installation in cold climates should follow professional assessment and correct sealing procedures.

### **Mechanical Resistance**

- Good resistance to bending and breaking
- Suitable for residential and light commercial applications
- Not recommended for heavy industrial traffic zones

Performance depends on thickness, format and installation method.

### **Thermal Shock Resistance**

Good resistance to temperature variation when properly installed.

Suitable for exterior use when sealed and laid on appropriate substrates.

## **AVAILABLE FORMATS**

Megzo Terracotta is available in square, rectangular and custom formats.

### **Standard thickness:**

18–20 mm (3/4")

Custom dimensions available upon request.

## **INSTALLATION NOTES**

- Install on properly prepared substrate
- Use mortar compatible with natural clay products
- Pre-sealing before grouting is recommended
- Final sealing after installation is advised
- Periodic maintenance sealing may be required

Shade blending prior to installation is recommended. Professional installation is required.

## **PACKAGING**

- Bundled units
- Wooden protective crates for export
- Palletized and strapped for international transport
- Transport weight must include packaging.

## **COUNTRY OF ORIGIN**

Manufactured in Morocco.

## **APPLICATIONS**



Interior flooring & Exterior flooring  
(sealed installation)



Covered terraces



Residential projects  
Hospitality environments



Architectural restoration and  
contemporary design

## **LEAD TIME**

As a handcrafted product, production timelines depend on project size and specifications.

Average production lead time: 6–12 weeks

Large or custom projects may require extended timelines.

## **IMPORTANT NOTICE**

Megzo Terracotta tiles are handcrafted natural clay products. Variations in color tone, size, flatness and surface texture are natural characteristics and contribute to the authenticity of the material. These variations are not considered manufacturing defects.