



## MARRAKECH LIME

### PRODUCT SHEET

Tadelakt is a lime-based coating, waterproof, ecological, for internal and external surfaces. High quality finishes, with a soft and wavy appearance. It is applied according to the traditional Moroccan technique. Available in natural color or pastel shades by addition of mineral pigments.

#### ORIGIN

Tadelakt is obtained by burning a paleocene marly limestone, extracted from the so-called Plateau of Marrakech, along the northern slope of the High Atlas range. The limestone is cooked in traditional kilns, fed with olive and palm wood bundles. Each burning proceeds continuously for about 30 hours. Out of the kiln, the lime is slaked with the addition of modest quantities of water. The product is finally hand-sieved, using inclined metal nets with mesh size of about 3 mm and bagged without other additions or additives.

#### USES

It is a waterproof coating for interiors and exteriors. Its smooth appearance, similar to marble, makes it particularly suitable for melting the interiors of the bathrooms in a single body and covering walls, showers, sink tops and shelves without interruption. It is also used in flooring, with the precaution of treading surfaces with soft soled or barefoot shoes.

#### APPLICATION

The application of Tadelakt requires specific methods and times. For a correct application it is recommended to consult our **Application Manual**.

##### PREPARING THE SUPPORT

The support must guarantee a perfect mechanical anchorage. It must be raw and perfectly absorbent, homogeneous, without finishes, shaves or patches. In the absence of these conditions, proceed with the application of our Tadelakt Sottofondo. For other supports, please contact our technical support.

##### PREPARATION OF THE MIXTURE

Place the lime in a container and add the water (10 liters of water on 20 kg of lime) a little at a time, trying to make it absorb as it is poured, without mixing. Cover the container and wait 12-72 hours. Open the container, mix thoroughly and, if the mixture is too dry, add a small quantity of water, until obtaining a plastic, homogeneous and lump-free mortar.

##### PIGMENTATION

During mixing, pigments or oxides can be added, depending on the needs and personal taste. Add at most 10% by weight of pigment compared to lime (example maximum 100 g on 1 kg of lime). Use only lime-compatible pigments and oxides.

##### APPLICATION

Wet the substrate well, as the support on which the Tadelakt should be applied must be moist. Apply in thickness of 4-5 mm in two coats. After a first smoothing with a wooden trowel, proceed with the smoothing using a stainless trowel. At this point we proceed to pressing by means of stones. This operation is very important because it allows to close the porosity and, at the same time, to compact the material in order to avoid the formation of cracks.





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#### FINISH LAYER

After 2-12 hours (depending on the environmental conditions), apply a black vegetable soap solution (1:10) using a brush, making it penetrate well and polishing the surfaces with the help of river stone.

#### PROTECTION

Once it has been carbonated, from 15 to 20 days depending on the drying time, it can proceed to the protection with wax.

#### DRYING

The drying times depend on the environmental conditions and the support. After about a week you can appreciate the final color, while after about 6 months the finish will be permanently hardened. The walls of a shower enclosure can be used after 7 days, the floors are fully walkable after 28 days.

#### PACKAGING

Polypropylene bags 20 kg.

#### COVERAGE

About 5 kg/m<sup>2</sup> for an average thickness of 4 mm. The yield may vary depending on the support.

#### STORAGE

The product is stored for up to 2 years, closed in its original packaging in a cool and dry place. Once the water has been added, Tadelakt should be kept in an airtight package and should be used within a period of 12 to 72 hours.

#### CLEANING

Cleaning of tools from Tadelakt residues of tools is carried out with simple water before the product hardens.

#### CAUTIONS

During application, the temperature of the air and the surface to be treated must not be less than 5 ° C. Keep doors and windows closed during and after application and avoid sources of heat (heating, lighting and direct sunlight) that can dry the material too quickly. Highly absorbent surfaces must always be wet.

#### SAFETY INSTRUCTIONS

Irritating product for eyes and skin. Consult the Safety Data Sheet before use.





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#### CHEMICAL & PHYSICAL DATA

Physical state	Powder
Color	White-beige
Bulk Density	0,9 g/cm <sup>3</sup>
Free water	4-6 %
Granulometry max	< 3 mm
CaO+MgO	58,0%
MgO	2,2%
CO <sub>2</sub>	3,2%
SO <sub>3</sub>	0,1%
SiO <sub>2</sub>	19,8%
Fe <sub>2</sub> O <sub>3</sub>	1,7%
Al <sub>2</sub> O <sub>3</sub>	3,4%
Na <sub>2</sub> O+K <sub>2</sub> O	1,4%
Loss on ignition	15,0%
pH	12,5

The information given in this data sheet is based on our current knowledge of the product when properly stored, handled and applied. We cannot guarantee that the product will be suitable, effective or safe when used for any purpose other than its stated uses.

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