



**STONEWARE
STUDIOS**

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Tierrafino Stone (Tadelakt)

Product description

Tierrafino Stone is a water-resistant shiny lime-based plaster. It is suitable for interior and exterior use. Tierrafino Stone can be applied in areas of regular dampness with heavy traffic. It is completely chip-proof and waterproof. Furthermore Tierrafino Stone is well suited for stairwells, the fireplace, 3-dimensional objects, pillars and ornaments. This plaster follows the line of the Moroccan Tadelakt tradition of shiny lime-based plasters. Tadelakt, freely translated, means 'to rub in' highlighting the most important stage of Tadelakt application.

Preparation of the foundation

Remove any grease or oil with a fat-dissolver, for example ammonia. Loose and porous substrate should be removed. Thoroughly brush the surface to remove any dust.

Tierrafino Stone should be applied on slow absorbing and roughly keyed non – porous plaster or stone. Plaster should be sufficiently hard to ensure no further shrinkage takes places.

Tierrafino Base is also very much suitable as a substrate for Tierrafino Stone, except for shower- and bath areas.

For board materials, all attachments and fixings should be thoroughly filled. Apply a single coat of tile cement/adhesive over the full surface, before applying Tierrafino Stone. The tile cement should be applied horizontally, with a toothed (5mm) spatula. When the tile cement has dried, apply a layer of Tierrafino Fix. Now the surface will be ready for application of Tierrafino Stone. When finished the first layer Tierrafino Stone, the surface should be treated with a wet sponge. The surface will take one day for drying, then the 2nd layer can be applied.

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With plasterboards, it is very difficult to work on complete walls. We advise you to apply stucco surface reliefs, or to divide the wall into different squares. This takes the tension of the top-layer, minimising cracking.

It is very difficult to apply Tierrafino Stone on a tiled wall. The solution is to use a plaster as a base, that fastens to the tiles or just to remove the tiles.

Unsuitable surfaces are walls that warp on application of wet plaster and warp again as the plaster shrinks while drying.

Tierrafino Stone is available in 6 colours. If another colour is needed, you can apply lime-pigment, with a maximum of 10%. Pigments should always be mixed in dry Tierrafino Stone. Before applying the pigment, Tierrafino Stone can be strained with a sieve (3mm). This process removes the grains. The sieving isn't necessary if a more natural look is desired.

Tierrafino Stone should be mixed with water, until a spreadable paste is reached. This paste has to be sealed and left stand for 48 hours. After this souring out process, give the paste another thorough mix before application. One kg Tierrafino Stone needs about 0.4 litres of water.

Tierrafino Stone should be plastered flat on the wall with a thickness of 4-5 mm. When the drying of the wall is irregular, 2 layers (each 3 mm) can be applied with a break of 24 hours. The first layer should be thoroughly sand-papered (lightly keyed) when the plaster has sufficiently dried to take keying, approximately 2-4 hours. After the 2nd layer has been brought up, the wall can be thoroughly plastered with a plastic-skimmer. Now the wall can be polished (in small circles) with a semiprecious stone. The process of polishing can be repeated depending of the time of drying. It is important to find the right moment for polishing. We advise you to conduct a small trial first to establish speed of set relative to the temperature/humidity. These samples can also serve to test colour.

Basalt, Granite & other hard rock can also be used as polishing-stone. The maximum size of the polishing-stone, touching the surface, should be 25 x 80 mm. The polishing-stone should be oval and the curbs should be round off. A stone like this can be found in dry rivers. Suitable stones can also be found in the gold leaf-industry. Permanent use increases performance of the polishing-stone.

Polishing of the surface should be done from the top, downwards.

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When a Tierrafino wall has been polished, a Scrafito can be made by scratching the surface, as soon as the polishing is finished.

A Tierrafino Stone wall that has been polished needs to be left to continue hardening for 24 hours. After this period Tierrafino Soap needs to be applied, in very small quantities. The Tierrafino Soap (thinned with water) should be applied with a brush and rubbed in with a piece of cloth. This process can be repeated after a couple of days. This process is also the best way to clean a surface covered with Tierrafino Stone when dirty. Tierrafino Soap gives Tierrafino Stone a light silky shine. The Soap also makes the bathroom surfaces waterproof. Soap, lime and water interact in such a way that they produce water-repellent crystals.

Surfaces treated with Tierrafino Stone produce little cracks, which contribute to the authentic character of Tierrafino Stone.

Before making repairs to the surface, the surface should first be thoroughly cleaned. Tierrafino Stone can now be applied and polished meticulously. Small repair-marks remain visible.

After the surface has completely dried and set (2 months), the surface should be very hard and will take constant wear.

Tierrafino Stone when wet, is perishable. Use within 20 days

Materials used for processing Tierrafino Stone are: a tub, mixer, metal-skimmer, plastic-skimmer, sponge, polishing-stone, brush, polishing-cloth.

Tierrafino Stone is available in 6 colours:

Delphi-White

Roman-Ocre

Nassau-Orange

Djenné-Red

Iquitos-Green

Gomera-Gray

The numbers above are product-numbers belonging to the different colours of Tierrafino Stone.

The consumption of Tierrafino Stone is approx. 3.5 kg (dry mass) per square metre.

Tierrafino Stone in its dry condition has a shelf life of 18 months.

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Tierrafino Stone waste can be disposed of with ordinary building-waste.

Keep Tierrafino Stone out of reach of children.

Tierrafino Stone burns the skin and the eyes. In case of contact with eyes, please wash immediately and thoroughly. While mixing Tierrafino Stone please use eye protection.

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