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# Tadelakt

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Product information  
170 - 173

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- **GENERAL**

Mineral shiny plaster for water resistant surfaces in traditional Moroccan style. To be applied in 2 layers and only in the interior.

- **PROPERTIES**

- Dry plaster
- Purely mineral
- Diffusible
- No artificial contents
- Neutral odour
- Resistant to dirt
- Water resistant; Tadelakt treated with Polishing Soap is water repellent
- Alkaline
- Tadelakt is not fat repellent

- **BINDING AGENT**

natural hydraulic lime

- **INGREDIENTS (FULL DECLARATION)**

Natural hydraulic lime, quartz sands of selected grain sizes, marble powder, clay, ashes, diatomaceous earth, and cellulose

- **COLOUR**

Natural offwhite

- **MIXING**

Stir the dry powder gradually into given amount of clear, cold water. Use a powerful electric drill with a paint stirrer. After an expanding time of approx. 30 minutes, stir again thoroughly. Readily mixed Tadelakt is to be used within 8 - 10 hours.

- **AMOUNT OF WATER**

0.3 - 0.35 l of water for 1 kg of Powder, according to the absorbency of the surface. The amount of water can be increased slightly if necessary.

- **TINTING**

Can be tinted with up to 10 % of lime resistant pigments. For example: 12 kg Tadelakt can be tinted with up to 1200 g of pigments. Tinting with Titanium White and pure iron oxide pigments only up to 5 %.

Stir pigments a with little warm water to a paste. Ensure that all clots are stirred out properly. Then stir the pigment paste into the mixing water before adding the Tadelakt powder. The pigment paste can also be added to the ready mixed Tadelakt mass. Mix thoroughly to achieve even tinting. Clean the rim of the bucket from time to time with a trowel.

- **SUITABLE TOOLS**

Quality tools in the KREIDEZEIT range:

ST176	Tadelakt Polishing Stone (hardened ceramic)
Sp4233	Plastic Smoothing Spatula, set of 3
K 4225	Spring Steel Trowel, 200 x 80 mm
K 4227	Venetian Trowel, 200 x 80 mm
K 4228	Venetian Trowel, 240 x 100 mm

The hardened ceramic used for the polishing stone has a hardness grade of 9.5 and is free of pores.

- **SUITABLE SURFACES**

Tadelakt is to be applied only onto new, solid and ready hardened plasters (lime / lime-cement / cement). The surface of the plaster must be rough. Tadelakt must not be applied onto smooth surfaces.

Avoid sharp edges in the plaster, make them round.

**In wet areas** we recommend the application of Tadelakt onto a new lime plaster according to plaster specification P 2 a (acc. to DIN 18550), highly hydraulic lime. Lime cement plaster is also suitable.

Wetroom plasterboards must be covered with Lime Wall Finish (art. 960) after embedding a glassfibre net in the Lime Wall Finish.

Please consider the possible necessity of sealing (water-proofing) the subsurfaces first.

**In dry areas** and after covering the surfaces with Lime wall finish (art. 960), Tadelakt can be applied also on plasterboards, gypsum fibre boards (both after embedding a glass fibre net in the Lime Wall Finish) and on gypsum plasters.

- **USAGE**

Remove accumulations of binder and sintered skin from plaster surfaces. Wet dry subsurfaces before application.

**Tadelakt is to be applied in 2 layers.**

1<sup>st</sup> Layer

Apply Tadelakt with a trowel all over the surface and only slightly thicker than the grain size (approx. 1-1,3 mm). Let set until the surface has become strong against impact.

The 1<sup>st</sup> layer of Tadelakt must not be smoothed, polished nor densified.

2<sup>nd</sup> Layer

Apply Tadelakt with a trowel all over the surface and only slightly thicker than the grain size (approx. 1-1,3 mm) and let set. Flat surfaces can be pre-densified with a trowel. Then polish the surface while moving the Tadelakt Polishing Stone in small circles and with only light pressure until all pores are closed and gloss is achieved. The right point of time for polishing Tadelakt depends on the water content of the surface, its absorbency and the climate, and may vary strongly.

First soaping

Thin KREIDEZEIT Polishing Soap (art. 199) with 30 - 100% of clean water and apply regularly all over the surface with a soft brush, trowelling the surplus away. For darkly tinted Tadelakt surfaces the usage of Kreidezeit Black Soap (art. 225) is recommended. Before application thin KREIDEZEIT Black Soap in a ratio of 1:10 to 1:20 with clean and warm water.

After a short drying time polish again with the Tadelakt Polishing Stone in small circles and with only light pressure until gloss is achieved. Through this, a higher gloss and a water and dirt repellent surface is achieved.

Chemically this process creates an insoluble lime-soap by the reaction of polishing soap with the lime in the surface.



### Second soaping

Apply the soap solution again after the Tadelakt surface has completely dried. It might take one or more days to dry. After a short drying time polish the surface with a ball formed out of plastic foil (HDPE) or the taped over sponge of a sander / polisher.

#### • FURTHER TREATMENTS

##### Waxing

To achieve a higher gloss apply KREIDEZEIT Punic Wax (art. 197) thinly with a soft cloth and polish immediately with a clean soft cloth.

To increase the gloss also Kreidezeit Carnauba Wax Emulsion (art. 420) can be used in the same way.

Do not use waxes in wet areas or areas affected by water splashes as they can emulsify leaving white stains.

#### • CLEANING AND CARE

##### Cleaning

Clean Tadelakt surfaces only with water under addition of a little bit of Marseille Soap (art. 220) or Polishing Soap (art. 199). Use a soft sponge for cleaning.

Do not use other household cleaning agents or scouring sponges nor micro fibre cloths.

##### Care

Apply soap solution from time to time (see above „First soaping“). After a short setting time polish the surface with a ball formed out of plastic foil (HDPE).

#### • REPAIRS

Cut or scratch out the damaged part with a cutter knife, then repair with original material, sieved to a smaller particle size if necessary.

#### • DRYING TIME

Stressable after approx. 4 weeks.

Completely hardened after approx. 6 weeks.

#### • CLEANING OF TOOLS

Immediately after use with water.

#### • YIELD

Approx. 2.5 kg per 1 m<sup>2</sup> for 2 layers.

#### • PACKAGE SIZES

art. 170 2.5 kg

art. 171 6 kg

art. 172 12 kg

art. 173 26 kg

Please refer to the valid price list for product prices.

#### • STORAGE

Stored dry and airtight Tadelakt can be kept for at least 6 months. Ready mixed Tadelakt must be used within 8 – 10 hours.

Dried residues can be disposed of with normal household waste or as construction waste.

#### • HAZARD CLASSIFICATION

Xi - irritant

#### • SAFETY ADVICE

Contains calcium hydroxide.

Irritating to skin. Risk of serious damage to eyes. **Keep out of reach of children !**

Do not breathe dust. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear eye/face protection.

Consider possible allergies to natural substances.

#### • NOTES

**We recommend attending a Tadelakt seminar at KREIDEZEIT because Tadelakt works demand skillful craftsmanship and extensive knowledge regarding adhesion to other construction materials.** Refer to our Homepage for dates and details or phone us or your KREIDEZEIT specialist dealer.

Glass, metal and lacquered surfaces as well as all other sensitive surfaces should be covered. Remove spots immediately with water.

Tadelakt is not resistant against acids.

Fatty or coloured substances might cause irreversible spots (food, body care products, lotions, cosmetics).

Like all other lime plasters Tadelakt might contain single particles of unslaked lime. Single damages in the Tadelakt surfaces caused by this are no reason for complaint.

#### • LITERATURE

The book „Tadelakt“ (art. 753) written by Gert Ziesemann and Martin Krampfer shows ideas of decorative surfaces which can be achieved with this plaster. Moreover background information is given and the history of Tadelakt is explained.

*The above information has been compiled in accordance with the best of our experience and knowledge. Owing to the application methods and environmental influences, as well as the various surface properties, no liabilities or legalities pertaining to the individual recommendations can be entertained. Prior to application, the suitability of the product is to be tested (trial coat). The validity of the text ceases with revisions or product modifications. You will find the latest product information at >> [www.kreidezeit.de](http://www.kreidezeit.de) << or directly at Kreidezeit.*

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