



i.design

TADELAKT

Oriental decorative render

Tadelakt is a traditional oriental decorative finishing, well known for its resistance to moisture, and more generally to water run-off.

Preparation

- Substrates: lime plasters, lime & cement and/or cement, solid masonry, 1/2" Fiber Cement/Hardie Backer with taped joints. For all other substrates, first apply PRIMER SAN TOMMASO.
- On perfectly flat substrates, a simple first coat may be sufficient.
- In all other cases, realize a rendering coat with a sand (0- 1/4" thick).
- Leave rough the surface of the plaster to facilitate Tadelakt bonding.
- Thoroughly wet the substrate until saturated the day before application.
- Place a fiberglass mesh reinforcement before applying the first layer of the plaster.
- A MOCK-UP IS ALWAYS RECOMMENDED TO ENSURE THE DESIRED RESULTS ARE ACHIEVED AND TO FULLY UNDERSTAND ALL REQUIRED STEPS BEFORE STARTING A LARGE PROJECT.

Mixing

- Mix Tadelakt and water with a mixer or drill whisk for approximately 5 minutes.
- The consistency should be firm and pasty.

Installation on Curved Objects

- To create a sink, a bathtub or other hard shape, always use hard materials such as plastered brick, concrete, etc.
- Never install on a flexible substrate.
- Place a fiberglass mesh reinforcement before applying the first layer of plaster.

Tadelakt Installation

- For the installation, use the following tools: mason trowel, stucco trowel, fine and small decorative trowels (for curved surfaces), and wood float (for large areas)
- The surface should be lightly misted before the installation and between coats.
- Apply 2 layers of approximately 1/4" each.
- Between each application, make a slight pressure on the surface of tadelakt and check if the plaster doesn't leave any mark on the finger before applying next layer - Thumb Print hard.
- Even out the tadelakt with a trowel or a wood float. Remove the excess with a stucco trowel. It is not necessary to smooth the tadelakt because the curves and undulations make it charming.

- Lightly compress with a trowel before the Tadelakt has set to ensure it has been thoroughly compressed and all gaps and holes have been filled. Avoid leaving burnish marks when using a steel trowel.
- As holes and cracks appear during the drying process, compress and fill them until smooth.

Finishing

- Traditional finishing:

For the finishing process use the following tools: granite or marble pebble, or a Tadelakt stone (for the compression of the plaster and the penetration of the soap). Latex gloves are used for rounded areas worked by hand. This prevents "lime burns".

The black soap is traditionally used pure for the finishing of tadelakts. It is worked/compressed using a stone into the tadelakt as soon as it is thumb print hard, but before it has totally dried. It is important that the black soap is introduced to the tadelakt while the tadelakt is still damp and not totally set. So that the black soap/and lime homogenize together.

The addition of Carnuba Wax to the Black Soap produces "Savonite" "Savonite" is an excellent protection for the tadelakt adding to its waterproofing abilities.

Savonite Recipe:

Black soap: 3 tablespoons	Water: 1 Quart
Carnauba Wax: 1 Tablespoon	

Bring to a boil add 1 Tablespoon of Carnuba wax. Let cool down.

- Ensure that the Tadelakt is perfectly compressed, as to not leave a mark when touched with a finger. Apply the "savonite" with a brush or soft rag.
- Let it absorb, then compact with the pebble.
- Reapply the "savonite" until saturated (until the surface stops absorbing) working each coat of Savonite in with the stone.
- Wait at least one month after work is completed before spraying water on the tadelakt.



Mixing Guidelines

Mortar	i.design TADELAKT
1 Bag of Tadelakt	55 Pounds
Pigments	Maximum of 20 % pigment of the weight of i.design TADELAKT
Water	2 to 2 1/4 Gallons of Water

Coverage:

	On smooth and prepared substrate (for example gypsumboard)	On rough substrate, a shape, in a bathroom
i.design TADELAKT	Approx. 50 ft. ² per bag at 1/4" thick	Approx. 20 ft. ² per bag

Why make a Tadelakt with natural hydraulic lime?

- Lime is a natural and eco-friendly product.
- To enhance the whiteness of the Tadelakt, Lancaster Lime Works Lime Putty with no aggregate can be added at a max. ratio of 1 1/4 Gallons of Putty per bag of Tadelkat.
- It promotes the evaporation of the water contained in the walls, allowing the moisture to escape. They protect against the proliferation of micro-organisms, fungi, and moisture.

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