

## GENERAL INFORMATION

**Texstön HYD Tadelakt™** is a lime plaster for interior and exterior use based on Natural Hydraulic Limes (NHL). Based on Old World stuccos, it contains finely-ground dolomite, slaked lime, and finely ground marble dust. HYD Tadelakt can be applied on its own or with a 10, 7 or Palladino base. Natural hydraulic mineral lime can be used for fine finishes on interior and exterior surfaces. This plaster comes from an ancient recipe from Marrakech (French spelling *Marrakech*) major city of the Kingdom of Morocco where this finish is traditionally used in Hammams (*Turkish bath*) and Riads (a traditional Moroccan house or palace with an interior garden or courtyard.).

**Environmental Benefits:** Environmentally Friendly, Non-Toxic, Zero VOC emissions, by-product, Exceptional Life Cycle, Certification is referenced in the Leadership for Energy and Environment Design (LEED) Building Rating System points.

**Basic Use:** Use HYD Tadelakt as a plaster finish coat for walls, ceilings, soffits, and special features. It is recommended for both interior and exterior environments and is compatible with most plaster base coats as well as gypsum board, concrete, masonry, and other substrates.

**Composition:** HYD Tadelakt comes in a powder form, in a bag of 20 Kg. It contains:

**Slaked Lime:** HYD Tadelakt uses Natural Hydraulic Lime (NHL). Brilliance, hardness, workability, durability, and sheen can be adjusted.

**Marble Dust:** Finely ground, white marble like flour gives body and substance to the lime plaster.

**Ground Dolomite:** Angular ground dolomite create interlock between aggregates improves resistance to cracking which gives HYD Tadelakt its unique character.

**Polymer Admixtures:** High quality contemporary polymer compound less than 2%, considered as a natural mineral material by the European standard EN 459 and is suitable to be used for historical restoration and new construction. The additive improves the product's adhesion, cohesion and flexural strength and contribute to improve resistance to cracking.

**Mildewicide and Fungicide:** Slaked natural hydraulic lime PH enhances the intrinsic mildew and mold resistance of slaked lime.

**Colors:** HYD Tadelakt can be custom colored to meet design requirements. Pick a color from any leading paint manufacturer, or send us a swatch of the fabric, tile or stone you are using, and we will match it. Tint with high-quality, water-based, fade-resistant, paint-grade colorants. Colorants can be factory-mixed or added at jobsite.

**Sizes and Coverage:** HYD Tadelakt covers approximately **20kg yield = 170-200 ft<sup>2</sup> per 2-1/2 coats** depending upon thickness and texture applied. It is available in recyclable plastic buckets in the following sizes:

4kg (8.8 lbs., pail approximately 1 gallon).

20 kg (44 lbs. Bag, approximately 5 gallons).

## TECHNICAL DATA

### SYSTEM PERFORMANCE REQUIREMENTS (FOR AGED SLAKED LIME PLASTER SYSTEMS)

- A. *Composition: White, premixed powder containing finely ground marble, natural hydraulic lime, Dolomite aggregates.*
- B. *Surface Burning: Class A; surface burning characteristics not exceeding Flame Spread = 0 and Smoke Density = 0 when tested according to ASTM E84.*
- C. *Pencil Hardness: Gouge 6H /Scratch H when tested in accordance with ASTM- 3363*
- D. *Scrub Resistance: Minimum of 10000 cycles using 10grams of scrubbing medium and 5 grams of water ASTM D2486-06.*
- E. *Chemical exposure: ASTM D-1308-02*
- F. *VOC: 0Grams/Liter*

## INSTALLATION

**Substrates:** Apply HYD Tadelakt over substrates that are clean, cohesive, free of contamination and as follows

**Plaster Brown Coat:** Apply brown coat in accordance with ASTM C926 - *Application of Portland Cement-Based Plaster* and Portland Cement Association's *Portland Cement Plaster (Stucco) Manual*. Float brown coat to produce smooth and level substrate to minimize the amount of finish coat required. Pay particular attention to moist curing requirements to minimize shrinkage cracking; cure at least seven days (21 days recommended) prior to application of finish coating. Use leveling coat over brown coat, for additional resistance to cracking, a fiber mesh can be imbedded into the level coat.

**EIFS Cement Base Coat:** Comply with EIFS manufacturer's instructions. EIFS base coat surface should be sponge floated to a fine sand texture creating mechanical bond.

**Gypsum Drywall:** (Interiors Only) Drywall shall be taped using paper tape. Provide Level Four or better surface in accordance with Gypsum Association's GA-214 - *Recommended Levels of Gypsum Board Finish* to assure that substrate defects are not visible through plaster.

**Concrete and Masonry:** Allow concrete and mortar to cure 28 days prior to finishing. Concrete should be free of form release agents that could interfere with adhesion. Sand glossy surfaces. Mortar joints should be flush.

**Trim and Fasteners:** At exterior and wet areas, use corrosion-resistant materials for expansion and control joints, corner beads, flashings, other trim and fasteners.

**Existing Substrates:** Remove deteriorated substrates and patch in acceptable manner. Oily or glossy surfaces and oil-based paints should be lightly sanded. Wash with TSP (Trisodium phosphate) diluted as indicated on product label. Rinse, neutralize and wipe dry.

**Leveling:** If required, fill depressions with leveling coat. Leveling coat can be EIFS cement base coat such as BASF Senergy, Sto, Dryvit or Parex can be used. Or factory-bagged plaster mix mixed with a liquid acrylic admixture such as Textōn™ RPA diluted 1:4 with water or can be a blend of one part Portland cement with 2 to 2 ½ parts washed and bagged sand and mixed with Textōn™ RPA admixture diluted at rate of 1:4 with water. **Basecoats surfaces should be hard floated to a level and even coat, and primed with 2 coats of TexPrep™ penetrating sealer Primer.**

**For exterior and shower stall application:** Use Textōn PALLADINO, a nano-structured Mature Lime Putty plaster which has an excellent filling power, or Hydrolime 7/10 Apply one coat, let set and slightly spray water and smooth only one time and let dry. Apply the HYD Tadelakt coats the next day not later. Follow step by step application process to produce intended specified finishes.

#### **Preparatory Work:**

**Masking:** Mask and protect adjacent surfaces 1/16" away from the surface leaving space for the plaster thickness.

**Prime:** Primer is required over gypsum board, cement EIFS base coat, brown coats, cement base stucco finish-coats, concrete and mortar. Use Textōn **TexPrep Primer™**: A translucent-white, tintable, liquid-penetrating primer-sealer/undercoat. It is alkali-resistant and specifically formulated for Textōn plasters. **TexPrep Primer™** penetrating Primer sealer is an 100% acrylic, water-based interior and exterior penetrating primer sealer that equalizes the suction of the substrate. It features hollow ceramic spheres that create suction and a mechanical bond. Use of the **TexPrep Primer™** is a requirement of the Textōn warranty for most installations.

**Mixing:** Mix HYD Tadelakt to assure colorants are uniformly dispersed. Mix with clean tools and protect against entry of dust and debris into container. HYD Tadelakt pot life is more than 2 weeks if in a close lid bucket

#### **General:**

Apply finish in continuous application, free from cold joints, scaffold lines and other deficiencies detrimental to appearance and performance. Continuously apply in one general direction without allowing coating to dry at edges, keep a wet edge. If full width of wall cannot be covered at one time, terminate applications at natural divisions of surface such as control joints or corners. Work in a controlled environment to eliminate air circulation or direct sun on the surface. Air circulation can be caused by open doors and windows, fans, vents, or air conditioning. In an exterior application, the scaffolding can be covered with a tarp to protect against wind or sun. Do not apply in direct sunlight.

Use stainless steel trowels and specific tool types required to produce intended results. Textōn offers a full complement of specialty plaster tools.

Many creative finishes can be produced with HYD Tadelakt. Please follow step by step application process to produce intended specified finishes or create by your own imagination, consider the following finishes:

**Texture:** Open Pores, Smooth, Classic Smooth, Blended multi-Colors, Stencils, Color Wash, Veins, Strea

**Custom Finishes:** Rather than trying to describe the specific technique to be used to achieve a custom finish, it is usually more convenient to specify an approved sample board or mock-up as a standard to be matched for a project. Contact Textōn for help developing custom finishes.

**Wax:** Wax provides sheen, protection and enhances polished look. **SuperWax™**: A clear, water-based acrylic topcoat blended with paraffin wax. SuperWax is most easily applied with a trowel in short strokes, apply two coats and for more protection apply additional coats. It should be applied over dry, absorbent surfaces only. **SatinWax™**: A clear, water-

based, acrylic/latex topcoat that can be applied over a wide variety of surfaces sealed or unsealed. This topcoat wax is applied with a trowel and when buffed it will produce a satin sheen, if not buffed it will produce a uniform, high sheen. **CeraWax™**: (Interior Use Only) an olive oil soap and natural bees wax emulsion. This product has a composition similar to the historical wax of the renaissance. This special water-based, protective, topcoat is perfect for all lime-based mineral finishes. It is extremely easy to apply.

**Marseille Soap™**: (Interior Use Only) a special protective water-proof, based on Marseille soap flakes and specific additives, ideal for lime based finishes, in particular for Tadelakt and lime mineral finishing in general. Increases the clarity, allows the cleaning of the surfaces, while maintaining breathability virtually unchanged.

Allow HYD Tadelakt to dry 24 to 72 hours before application of the wax. Follow manufacturer's instructions.

**Sealer**: Sealer provides added protection for exterior locations and wet interior locations that are not waxed. Periodic re-application is suggested according to building maintenance requirements. Use a Textōn sealer: high-quality, non-yellowing, water-based, water-repellent sealer. The following products are compatible with HYD Tadelakt and are available through Textōn; consult sealer manufacturer or conduct tests before using other products: Allow HYD Tadelakt to dry 48 to 72 hours before applying sealer. Apply according to sealer manufacturer's instructions. Protect against overspray.

**Penetrating Sealer: TexProtect SDS 15 (Surface Defense Sealer)**. Using a gardener sprayer or a paint roller, apply a coat of SDS 15 generously over a *dry* surface, follow with a dry low nap paint roller, forcing the sealer into the surface.

**Immediately wipe off all excess using dry cloth, don't let residues dry on the surface.** Let set for 1-1 ½ hours, and repeat procedure for second coat. For additional protection repeat process for additional coats.

**Anti-graffiti sealer: The penetrating and a non-Sacrificial Coatings sealer. Premium water and oil repellency.**

**UV resistant, Suitable and safe for indoor and outdoor use – from kitchen counter tops to wharfs. Makes cleaning easier. Repels graffiti – making it easier to remove. The Tadelakt surface needs to be dry for 72 to 96 hours**

**Topcoat Sealer:** Textfloor sealer low sheen for walls or floors topcoat.

**Clean-Up:** Remove masking. Remove plaster splatters using methods that will not damage surfaces.

#### **Environment application condition Precautions:**

**Application:** During the application phase, provide well-ventilated work areas, the environmental temperature must be between +45°F and + 95°F. The relative humidity must be lower than 85% also during the 24 hours following the application.

For exterior applications, protect from any rainfall for 2 days following the installation.

**Delivery, Storage and Handling:** Protect materials from direct sun. Deliver in manufacturer's unopened packages and store in dark and dry place at between 45F – 95F degrees.

**Safety Guidelines:** Avoid prolonged contact with skin and eyes. If contact occurs, rinse thoroughly with water. Use OSHA compliant eye protection. Wear a respirator when sanding or scraping. Keep away from children. See MSDS and product label.

**Disposal:** The product must be disposed in agreement with current and local regulations. Empty containers are to be sent to recycling plants.

**Appearance Tolerances:** Appearance may vary depending upon application and field conditions. Color cards and product samples represent approximate colors and textures only. Final approval should be based on contractor-prepared samples or mock-ups showing actual materials and workmanship proposed for use. Like all exposed plaster finishes, mottling and variations in hue and appearance are normal and a part of lime plaster's aesthetic appeal.

#### **AVAILABILITY AND COST**

**Availability:** Textōn products are available from distributors throughout North America. Contact Textōn or visit the website for referrals to local sources. **Cost:** Contact distributors or Textōn for pricing information.

#### **WARRANTY**

Textōn expressly warrants its products to be fit for the ordinary purpose for which they are intended for a period of five years from date of installation when applied and used in accordance with manufacturer's instructions within six months of purchase.

Textōn's liability under this warranty is limited to the replacement of products found to be defective or to the refund of purchase price to original purchaser. Textōn reserves the right to require proof of purchase and to inspect installations prior to resolving claims made under this warranty. This limited warranty is exclusive and in lieu of all other warranties either written, oral or implied, and expressly excludes liability for consequential damages.

#### **MAINTENANCE**

**Cleaning:** Remove dust and loose dirt, then, wipe with a clean damp cloth. When necessary, surfaces may be cleaned with mild detergents or proprietary cleaning agents together with gentle scrubbing or low-pressure water washing.

Mineral spirits or acetone can also be used; observe proper safety procedures when using solvents. Clean vertical surfaces from the bottom up. Thoroughly rinse exterior surfaces with clean water. For interior surfaces, wipe off cleaning agents with a damp rag followed by a dry rag. Efflorescence, a white powdery deposit that can form on building surfaces, should be removed as soon as practical using water and a soft bristle brush or nylon scouring pad. Test cleaning products and techniques in an inconspicuous location before proceeding and comply with manufacturer's instructions.

**Inspection:** As with any building material, finishes should be periodically examined to assure that surfaces and substrates are in good condition. Examine joints, sealants, flashings, trim and other locations that could permit water to enter the building. Conditions that could produce stains, such as water run-off from roofs or ledges washing down face of a wall, should be corrected. Since HYD Tadelakt is a finish coat, cracks that appear in their surface are probably due to cracking within the substrates to which they are applied; extensive cracking could indicate excessive building settlement or movement and should be examined by a qualified building professional.

**Blemishes:** In many instances, scratches, scuff marks and stains that do not respond to ordinary cleaning techniques may be removed by lightly sanding the surface. The success of this depends on the texture of the finish, and tests should be performed in inconspicuous locations before proceeding. Re-apply wax or sealer, if required, to sanded areas.

**Repairs:** Most damage to HYD Tadelakt surfaces can be repaired by experienced applicators. Extensive damages may require replacement of an entire section of finished surface.

**Graffiti:** Consult a firm specializing in graffiti removal and protection.

## TECHNICAL SERVICES

**Design:** Textstōn and many of its distributors are ready to assist designers with color matching and custom color development services; color chips and sample boards are available. Our master craftsmen are also available to help develop special textures and aesthetic effects and to aid with specification development.

**Training:** The ultimate quality and beauty of Textstōn finishes depends upon the skill of the installers who apply them. While HYD Tadelakt is simple enough that any skilled finish contractor can learn to apply it, we also conduct rigorous training programs that enable us to certify master craftsmen. Classes can be conducted in the Textstōn studio, at a distributor's or contractor's location, or on a job site.

**Installation:** When specified for large or complex projects, Textstōn can provide master craftsmen to assist local applicator crews.

**ADDITIONAL INFORMATION:** Material Safety Data Sheet, Contractor Application Tips, Color Charts and Samples Guide Specification, Video training.



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