

Textstön Hydrolime™ HYD- 7, TAD, 125, MAR FL**Hydraulic Lime Polish Plaster**

GENERAL INFORMATION -Textstön Hydrolime™ HYD-7, HYD-Tadelakt, & 125Carrera are polished lime plaster finishes for interior and exterior use. HYD-7 can be used as a base coat for finer finishes like HYD-125. Based on Old World stucco, these plasters contain finely-ground dolomite, Natural hydraulic lime (NHL) and finely ground marble dust. These materials produce a durable finish with a decorative and natural appeal like tanned leathers or finer grades of polished or honed sedimentary stone. The Hydrolime series are smooth and hard to the touch, yet have a soft and luminous monochromatic, visual sheen. Elegant and distinguished, but never boring, Hydrolime has virtually no mottling or impression of “movement” created when plaster is troweled. Can be used to replicate ancient patinas or create entirely contemporary looks.

- Hydro-7: used as a base-coat- and as a non glossy finish coat, least coarse aggregate
- Hydro-Tadelakt: moderate coarse aggregate. Can be applied on its own or with a HYD 7 as base coat.
- Hydro-Marmorino Floor: fine aggregate. Applied with HYD 7 as base coat.
- Hydro-125: finest coarse aggregate. Interior needs a level 5 drywall preparation. if less, use HYD 7 as a base coat. Exterior and showers stall need HYD 7 as a base.

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 Hydrolime series as a plaster finish coat for walls, ceilings, soffits and special decorative features. It is recommended for both interior, exterior and wet environments and is compatible with most plaster base coats as well as gypsum board, concrete, masonry, and other substrates. Appropriate for both residential and high traffic commercial applications.

Composition: Hydrolime comes in a non-tinted powder form. It contains: Natural Hydraulic Lime (NHL) and Hydrate lime, silicate and aluminate, Calcium Carbonate, Marble dust, Dolomite aggregate, acrylic binder (less then 2%), cellulose. **Slaked Lime:** Hydrolime uses Natural Hydraulic Lime NHL that imparts brilliance, hardness, workability, durability, and sheen to the plaster.

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

Ground Dolomite: Finely ground dolomite gives Hydrolime its unique character.

Polymer Admixtures: High quality contemporary polymer powder 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 helps to improve resistance to cracking. **Mildewicide and Fungicide:** Lime PH enhances the intrinsic mildew and mold resistance of the lime.

Colors: Hydrolime 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 iron oxid colorants. Colorants can be added at job-site, using Textston water-soluble powder pigment packs.

Sizes and Coverage:

- HYD-7: covers approximately **25 kg yield = 175-200 ft² per 1.5 coats** depending upon thickness and texture applied.
- HYD-Tadelakt: covers approximately **20 kg yield = 120-140 ft² per 2.5 coats** depending upon thickness and texture applied.
- HYD-Marmorino Floor covers approximately **12 kg yield = 175-200 ft² per 1.5 coats** depending up on thickness and texture applied.
- HYD-125 covers approximately **12 kg yield = 200-275 ft² per 1.5 coats** depending upon thickness and texture applied.

TECHNICAL DATA

SYSTEM PERFORMANCE REQUIREMENTS (FOR AGED LIME PLASTER SYSTEMS)

- A. *Composition: White, premixed Powder containing finely ground marble, slaked lime (Hydraulic Lime), Dolomite aggregates. Acrylic polymers and rheological additives admixtures totaling less than 2%.*
- 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*
- G. *Permeability to water vapor (Sd) High 0,06m (Standard: UNI EN ISO 7783-2:2001)*

INSTALLATION

Substrates: Apply the Hydrolime 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 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 Textstön™ 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 Textstön™ RPA admixture diluted at rate of 1:4 with water. **Basecoats surfaces should be sponge floated to a fine sand texture creating mechanical keys and primed with 2 coats of TexPrep™ penetrating sealer Primer.**

For exterior and shower stall application: Use Textstön Hydrolime HYD-7, a **non-structured Lime plaster** which has an excellent filling power. Apply one coat, let set and slightly spray water and smooth only one time and let dry. Apply the Hydrolime HYD-125Carrera coats or other HYD , 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 and other substrates with uneven suction absorption, and to improve adhesion to smooth substrates, use of type compatible with substrate. Use Textstön **TexPrep Primer™**: A translucent-white, tintable, liquid- penetrating primer-sealer/undercoat. It is alkali-resistant and specifically formulated for Textstön plasters. **TexPrep Primer™** penetrating Primer sealer is an acrylic, water-based interior and exterior penetrating primer sealer that equalizes the suction of the substrate. It features hollow ceramic spheres that create even suction and a mechanical bond. Use of the **TexPrep Primer™** is a requirement of the Textstön warranty for most installations.

Mixing water only: Mix the Hydrolime with water quantities as specified in the 3 step by step. Mix well to assure colorants are uniformly dispersed. Mix with clean tools and protect against entry of dust and debris into container.

Mixing with RPA: To add strength and flexibility as well as to tremendously reduce the appearance of cracks in the finish color coat: Mix the Hydrolime with one-part RPA and 10 parts water.

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. Textstōn offers a full complement of specialty plaster tools. Many creative finishes can be produced with Hydrolime. 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, stria

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 Textstōn 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 like 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. The substrate surface should be dampened to reduce suction prior to application to increase workability. Allow Hydrolime 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 Textstōn sealer: high-quality, non-yellowing, water-based, water-repellent sealer. The following products are compatible with Hydrolime and are available through Textstōn; consult sealer manufacturer or conduct tests before using other products: Allow Hydrolime to dry 48 to 72 hours before applying sealer. Apply according to sealer manufacturer's instructions. Protect against over-spray.

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, 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. For exterior application apply 4 coats.

Topcoat Sealer: TexFloor 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. These are required conditions to be followed during the installation,

There is no requirement for Hydrolime materials to have continuous climatization after installation other than what is noted above and required during the insulation process.

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 45- and 95-degrees F.

Safety Guidelines: The lime makes this product caustic. 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.

Transport information: By road, rail or sea: non-corrosive, non -hazardous material, non-flammable non-explosive.

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

WARRANTY

Textstōn 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.

Textstōn'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. Textstōn 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 Hydrolime 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 Hydrolime 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 help with specification development.

Training: The ultimate quality and beauty of Textstōn finishes depending upon the skill of the installers who apply them. While Hydrolime 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 distributors 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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