Technical Data

TexSton CDQ Primer CDQ™ Cement Densifier Primer

PRODUCT DESCRIPTION

Formulation: **TexSton CDQ Primer ™** was formulated to waterproof, preserve and protect Terra, Tuscany, Kurkarit, acrylic modified cement EIFS base coat, brown coats, cement base stucco finish-coats, concrete and mortar. **CDQ** penetrates and reacts with the mineral compounds and/or siliceous materials to form additional insoluble silicate and quartz structure. The newly-formed, breathing protective barrier retains all of the natural properties except one: The moisture attraction of the substrate is neutralized because of its conversion to an insoluble compound and the treated surface becomes harder and less permeable. The appearance and surface profile is unaffected, and there is no coating or film that can be worn or weathered away.

Usage: **CDQ** liquid makes cements denser, stronger, and more stable. **CDQ** will limit the occurrence of efflorescence. It also enhances plaster performance and wear in extreme moisture conditions causing the cement to become waterproof. **CDQ** acts as a conditioning primer over EIFS base-coat and cement plasters. It can be used for staining cement with liquid colorants (up to 5% colorant by volume). **CDQ** is excellent for freeze-and-thaw environments. Because of the way in which it functions, the **CDQ** provides protection in numerous applications: under abrasive traffic as well as non-traffic conditions; vertical and horizontal. Recommended application is for decks, walls, sidewalks, driveways, historical monuments, etc., consisting of brick, unglazed tile, marble, concrete block, and various types of stone.

Function: **TexSton CDQ Primer ™** will provide waterproofing protection; increase surface abrasion resistance, harden and re-stabilize soft, dusting, aged masonry, protection against food, oil, algae/fungi, environmental and chemical staining and damage and reduce or eliminate most types of efflorescence. Since **CDQ** is so effective in reacting with the contained alkaline salts in concrete, it is ideal for treating surfaces prior to installing flooring, coatings, stains, sealers and other topically applied materials.

TexSton CDQ Primer **™** is for use on surfaces of medium to moderate porosity e.g. over unsealed CEMENT based surfaces ONLY.

Limitations: Test for compatibility prior to use. **CDQ** Primer will not seal structural cracks, voids or holes. Improper application of **CDQ** Primer may interfere with the bonding of crack repair, patching and surface coating materials. **CDQ** primer should not be applied in air temperatures below 60° F, or if the surface temperature is below 60° F.

Composition and Characteristics:

TexSton CDQ Primer ™ is a water-based liquid containing hydrolyzed lithium quartz with a propriety formula in solution. It requires NO mixing, diluting or agitation. Color: Water clear. Flash Point: none. **CDQ** Primer is non-toxic, non-biodegradable, and contains NO volatile organic compounds (VOC's) or solvents.

Specific Gravity	1.02
Weight (lbs/gal)	8.5
Lithium compound content (by volume)	12.5%

TECHNICAL INFORMATION:

The **TexSton CDQ Primer ™** functions by penetrating into the surface and reacting with mineral compounds and/or siliceous materials within. The reaction has a consolidating (gluing/cementing) effect that will increase the durability of the treated surface; reduce permeability; and reduce or eliminate most types of efflorescence.

Testing

Testing results of the **CDQ Primer** is based on laboratory results and field evaluation of completed projects under various conditions.

Increased Abrasion Resistance

Samples of soft Indiana limestone were tested before and after treatment in accordance with ASTM C 241, 'Abrasion resistance of Stone Subjected to Foot Traffic'. In one test the "abrasive hardness value" increased from 3.59 to 9.60. In a second test there was an increase from 4.19 to 11.00. ASTM Standard Specification C 503 recommends a minimum value of 10.00 for stone surfaces exposed to foot traffic.

Consolidation of Friable Brick
Brick surfacing, approximately 40 years old near the ocean, had little or no cohesion, and could easily be brushed away with a soft brush. Treatment with **CDQ** significantly densified and hardened the brick, restoring its approximate original strength.

APPLICATION

General Application Instructions:

If possible, the application should be a continuous process from start to finish of the project. If for any reason the application is interrupted, mark the place of interruption, and then continue at a later time as if no interruption had occurred.

1. Remove all coatings or substances that may prevent penetration of the **CDQ** Primer (e.g. curing agents, coatings, sealants, dirt, surface oil, efflorescence, paint and standing water). DO NOT use chemicals for removal of these materials.

2. Protect objects from overspray; especially glass, metals, ceramics, glazed tile and wood. Protect all windows, doorways, lights, etc. with polyethylene film, soap solution, or removable film forming protection. Should **CDQ** Primer get on exposed glass or aluminum, remove using steel wool; or (for glass) a razor blade. The material becomes easier to remove with age. The **CDQ** Primer is in no way harmful to these materials.

3. Apply **CDQ** primer in light, even coats with a garden or airless sprayer, or paint brush. If using a sprayer, before use make sure the selected sprayer is completely clean of solvents and foreign materials. DO NOT apply **CDQ** primer with a roller or in heavy coats.

Porous surfaces will absorb significantly more **CDQ** Primer than dense surfaces. CAREFULLY follow the instructions below for the surface that pertains to your application.

FOR ALL SURFACES Test a small area following the ***General Application Instructions*** to determine product suitability and coverage rate. In all cases apply only as much **CDQ** Primer as the surface will readily absorb. If additional coats are required, they may be applied after the previous coat is dry. **Note:** "dry" means dry to the touch **and** the surface has returned to original color. Areas that absorb **CDQ** Primer at a faster rate (dry spots) require additional coats. STOP APPLICATION if at any time a "sheen" or whiting is observed. If there is no sheen or whiting, repeat the application with light even coat(s) until the last coat dries significantly slower than the previous coat(s).

FOR DENSE SURFACES Dense surfaces will absorb **CDQ** Primer at a slower rate and drying time may vary between 5 and 10 minutes. If a light "sheen" or whiting is visible when the first coat is dry to the touch, STOP APPLICATION. If there is no sheen or whiting, repeat the application with light even coat(s) until the last coat dries significantly slower than the previous coat(s).

FOR POROUS SURFACES Porous surfaces may absorb primer at a rapid rate, and drying time may vary between 1 and 10 minutes. As soon as the first coat is dry, repeat the application with light eve coat(s) until the last coat dries significantly slower than the previous coat(s).

On some types of VERY porous surfaces, the primer may continue penetrating even after 6 or 7 coats. In these cases, apply 8 coats in rapid succession; then allow the surface to dry for 2-3 hours; then apply another coat. This last coat should dry significantly slower than the previous coats, in which case, STOP APPLICATION. If not, repeat the application as before until the last coat does dry significantly slower than previous coat(s).

WARNING: Excess primer left to dry on the surface will result in a white scaly residue that may be difficult to remove, or that may interfere with the bonding of crack repair, patching, or surface coating materials. DO NOT allow primer to puddle or "run" on the surface. Wipe excess with a damp cloth, or mop it up.

4. Immediately clean all equipment by rinsing with water.

HOT WEATHER APPLICATION: DO NOT apply in direct sunlight if the surface is hot to the touch (above 100°F).

COLD WEATHER APPLICATION: Cooler temperatures cause primer penetration at a slower rate. Allow sufficient time between coats for complete penetration until the surface is dry. DO NOT apply primer in temperatures below 60°F; or if the temperature is expected to drop below 40°F within a 24-hour period.

OUTDOOR APPLICATION: Primer may dry prematurely in breezy or windy conditions. Minimize overspray in breezes by holding spray nozzle closer to surface.

Coverage Rate:

General spread rate for **CDQ** on all surfaces will be between 150-300 sq. ft. / gallon depending on permeability and environmental condition.

These figures are estimates and may vary since the **CDQ** Primer formulas are true penetrating, and substrate porosity and environmental conditions fluctuate.

For New Concrete: Apply primer after concrete has cured for a minimum of 14 days. For optimum results, allow concrete to cure for 28 days or longer.

Precautions:

Test a small area following the ***General Application Instructions*** to determine product suitability and coverage rate.

The **TexSton CDQ** may adhere to unprotected glass, metals and glazed materials (e.g. glazed tile). If primer should get on these materials, it can be removed with a razor blade or steel wool. The primer is in no way harmful to these materials. Excess primer left to dry on the surface may result in a white, scaly residue or glossy finish that may be difficult to remove or that may interfere with the bonding of surface applied materials.

Storage and Handling:

Store in a cool dry area out of direct sunlight. Must be kept in tightly secured containers to prevent evaporation and contamination.

All **TexSton** Primers must be protected from freezing. Primer that has frozen will not function as intended and should be discarded.

Caution: Avoid contact with eyes. In case of contact, flush with plenty of water. In case of persistent irritation, call a physician.

AVAILABILITY

The **TexSton CDQ** is available in 1 gallon and 5 gallon plastic pails.

MAINTENANCE

After application, no maintenance is required.

WARRANTY

TexSton Industries warrants its products to be of the highest quality. Since application of the product is a crucial factor in obtaining satisfactory results, and is beyond the control of **TexSton** Industries, refund of purchase price or replacement of product shall constitute the limit of **TexSton** Industries' liability. **TexSton** Industries makes no other warranties, expressed or implied. This warranty may not be modified or extended by representatives of **TexSton** Industries, its distributors or dealers.

TECHNICAL ASSISTANCE

Technical assistance is available from the manufacturer, from trained field representatives, and from Certified Applicators.

ADDITIONAL INFORMATION

Material Safety Data Sheet
Instruction on Product Label
Guide Specification

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The Renaissance of Fine Plasters

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