ORTEX Stucco Color and base Coat™ By Texston Stucco Color and Base Coat

GENERAL INFORMATION

Ortex Color and base Coat™ is a high performance, decorative, integrally colored stucco color coat. Ortex is also used as a EIFS base coat, Crack reduction membranes over Stucco Scratch and Brown, direct applied and as a leveler to level irregular brick, stone, plaster, stucco or concrete wall surfaces. For exterior use. It is designed for above-ground use only.

It is formulated with Portland cement, lime, supper clean sand, micronized invisible fibers and angular mineral rocks for strength and durability. The formulation is tempered with polymer admixtures for superior adhesion and ease of application. Ortex contains a unique blend of polymer admixtures and fibers which contribute to superb adhesion, workability, water repellency, durability, and flexibility. Ortex Stucco Color and basecoat™ is blended domestically using local minerals and cements combined with key ingredients that are imported.

Basic Use: Ortex is a versatile, high-performance material designed for use as a stucco finish color coat, base coat, level coat, or crack reduction membrane when mixed with RPA. It is recommended for exterior environments and is compatible with a wide range of substrates including mortars, concrete, masonry, EPS foam boards, cement boards, and other approved surfaces. Ortex performs as a stable and impact-resistant base layer. It can also be used as a crack reduction layer over interior wallboard and in wet areas such as showers and steam stalls. Ortex can be used to level substrates using a straight edge to screed and create an even surface prior to the crack-reduction layer or finish coat application.

Environmental Benefits: *Zero VOC emissions. Non-Toxic.*
Composition: Ortex Color Coat is a dry powdered formulation and is ready for use when mixed with water. It contains:
Portland cement: White cement is used to enhance the intensity of Ortex coloration. [ASTM C 150]
Hydrated Lime: Lime works in conjunction with cement to improve strength and workability. [ASTM C926 - 18]
Dolomite: Crushed angular carbonate mineral rock - interlocking of the individual stones: Promotes durability, flexibility, and longevity. Can be finished with smooth -Ortex Fine- or gritty texture -Ortex Course- with pits which characterize Ortex Course [ASTM E 11]
Silica Sand: Dustless and free from salt. Washed baked super clean sand - eliminates dust and debris. [ASTM E 11]
Polymers: Acrylic polymers in Ortex Color Coat improve the product's adhesion, cohesion, and flexural strength and contribute to improving resistance to cracking. . [ASTM E 70]
Water Repellent: Stearate-based additive helps resist water penetration.
Integral Pigments: The mineral-oxide pigments in Ortex Color Coat comply with ASTM C979 to assure permanent, fade-resistant coloration.
Fibers: Texston's MRF Microfibers are ultra-thin recycled fibers that improve crack resistance, adhesion, flexibility, flow, and curing—already integrated into Ortex for superior performance.

Colors: Ortex Color Coat is offered in more than thirty standard colors and can be custom colored to meet special design requirements. Colors are iron oxide fade resistant pigments. Available in Water-soluble powder pigment packs or pre tinted when order a minimum of 234 bags

Colors Variation: Color Variation: Ortex cement stucco color coat is a natural mineral material. During the application process where different curing rates could occur due to thickness differences, direct air circulation or sun exposure, humidity, and temperature changes could result in different appearances in the final color finish. Also, color fading, modeling or slightly darkened appearance can occur where darker colors will fade and become modeled in a greater rate than lighter colors. Ageing, and exposure to the environmental conditions as well as sealing/not sealing cement stucco color coat will change color over time.

Sizes and Coverage:
Ortex course 20/30 covers approximately 50 to 60 square feet per 50.7 lbs. as a color coat depending upon substrate condition, thickness and texture applied.
Ortex Fine 60/70 covers approximately 60 to 90 square feet per 50.7 lbs. as a color coat depending upon substrate condition, thickness and texture applied.
It is available in recyclable plastic paper sacks of 50.7 lbs. (23KG)

TECHNICAL DATA

Applicable Standards:
Weather resistant Ortex exhibits excellent resistance to weather exposure and wind-driven rain, providing strong moisture protection. It is designed to resist moisture intrusion at wind speeds up to 98.1 mi/h and maintains low water absorption.

Ortex is vapor-permeable, allowing trapped moisture vapor to escape, helping preserve the durability of the wall assembly. While moisture-resistant, Ortex is not a waterproof barrier and must be applied over a properly prepared assembly that includes a waterproofing membrane where required.

System Performance: Ortex Color Coat outperforms conventional color coat finish installed in accordance with ASTM C926 – Application of Portland Cement-Based Plaster.

Quality Assurance: Ortex Color and Base Coat is produced in a facility certified under ISO 9002 – *Quality Systems – Model for Quality Assurance in Production, Installation and Servicing*.

Surface Burning Characteristics: Ortex Color Coat conforms to Class A finish with 0 Flame Spread and 10 Smoke Density per ASTM E84 - *Surface Burning Characteristics of Building Materials* when applied over inorganic reinforced cement board. Also conforms to Class A finish with 0 Flame Spread and 10 Smoke in accordance with Canadian CAN/ULC S102.-10, "Method of Test for Surface Burning Characteristics of building Materials and assemblies"

INSTALLATION

Substrates: Apply Ortex Color Coat 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 level substrate. Pay particular attention to moist curing requirements to minimize shrinkage cracking; cure at least seven days prior to application of finish coating. For additional resistance to cracking, a polypropylene fiber (supply others) can be added to the brown coat mix including RPA admixture to increase the bonding and reduce shrinkage. Also, fiber mesh can be embedded into the first layer of Ortex application and used as a base coat.

EIFS Ortex Base Coat: Comply with exterior insulation and finish system manufacturer's instructions. Add Texstōn RPA admixture to the Ortex according to manufacturer instructions. When using Ortex basecoat, low voids can be filled up to a half-inch in one pass.

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 of Ortex Color Coat. 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 and other trim and fasteners. Use industry-standard method for expansion joints

Crack reduction system A crack reduction system may be specified, especially when control joints are minimized or when a smooth finish is specified. In such cases, use Ortex as a basecoat with 4.5 to 10 oz. fiberglass mesh embedded into the layer. Mix Ortex with RPA (Reinforced Polymer Additive) at a ratio of 1 part RPA to 4 parts water to enhance adhesion, flexibility, and durability.

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

Leveling: Remove surface projections and all loose grime. Fill depressions as needed. Ortex provides excellent filling power and can be applied in a single pass up to 1/2" thick without mesh—making it ideal for screeding and correcting surface irregularities. When embedding mesh, the recommended application thickness per pass is up to 1/8" or 1/4", depending on the type and thickness of the mesh.

Mix Ortex with RPA (Reinforced Polymer Additive) at a ratio of 1 part RPA to 4 parts water to improve adhesion, flexibility, and durability. All basecoats should be leveled with a straightedge, but not troweled to a hard, smooth finish.

Preparatory Work:

Masking: Mask and protect adjacent surfaces.

Prime: Primer is recommended but not a requirement over substrates with uneven suction absorption, and to improve adhesion to smooth substrates, use of type compatible with substrate. Use Texstōn **TexPrep Primer™:** A translucent-white, tintable, liquid- penetrating primer-sealer/undercoat. It is alkali-resistant and specifically formulated for Texstōn plasters. TexPrep 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 suction and a mechanical bond.

Dampen Surface: If Primer is not going to be used, immediately before applying Ortex Coat, dampen brown coat, concrete, masonry and other porous cement substrates with water. (Do not dampen primed or sealed surfaces).

Mixing Ortex color coat: and water-soluble powder pigment packs - Use clean potable water or potable water mixed with additive RPA in a ratio of 1 part RPA to 10 parts water. In an empty 5-gallon bucket use 7 quarts of the mixed liquid first, take 25% of the liquid mix and set aside. Use 1 water-soluble pigment pack for one bag, as it would specify on the outer plastic bag. Do not mix the labeled outer plastic bag, the color packs come in. Drop the inside powder pigment plastic pack into the bucket and mix with recommended mixer pedal for 45 to 60 seconds (start slow), then add small amount of the Ortex into the mixture, creating friction that will better dissolve the powder pigments. The color pack packaging will dissolve in the liquid. There is no need to open the individual color pack packaging. Gradually,

while mixing, add the rest of the plaster product and use the liquid mix that was set aside until hearing the desired consistency. Allow to set for 5 minutes and remix.

Mixing Ortex as a Base coat: Use clean potable water mixed with additive RPA in a ratio of 1 part RPA to 4 parts water. In an empty 5-gallon bucket use 7 quarts of the mixed liquid first, then add the Ortex into the mixture, while mixing, add the rest of the Ortex and use add liquid mix to a desired consistency. Allow to set for 5 minutes and remix. Mix with clean tools and in a clean bucket.

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. Do not bridge expansion or control joints.

Use high-quality trowels of types required to produce intended results. Texstōn offers specialty plaster tools.

One Coat Application: Apply in one coat with 1/8-inch minimum thickness using stainless steel trowel, pool trowel, plastic trowel, or other non-blackening metal trowel.

Two-Coat Application: Evenly apply first layer approximately 1/16-inch-thick using stainless steel trowel held at 45 degree. Allow to set. . When first layer is set, apply second layer of approximately 1/16-inch-thick using a stainless-steel trowel. Let set and continue smoothing with a non-blackening trowel or a plastic burnishing trowel.

Texture:
Pitted Finish: Let the 1st coat dry and rowel 2nd coat creating pitted and fissured surface. The extent of pits and fissures can be controlled by the pressure and amount of troweling.
Smooth Finish: Let the 1st coat set and rowel 2nd coat embedding in to the 1st coat, trowel to close pits. Use water sparingly to dampen surface and continue smoothing until smooth closed surface is obtained and water disappear. Avoid over troweling and formation of black "veins".

Curing: In order to ensure workmanship and product quality, the finish should be moistened on the next day and the process repeated the following day. Moisten plaster with clean water. Use spray or hose; start at bottom and work upwards.
Sealer: Optional- if required**, a**pply Texstōn SDS 7.5 sealer. Consult manufacturer for instructions.

Allow Ortex Color Coat to dry 24-72 hours before applying sealer. Apply according to sealer manufacturer's instructions. Protect against overspray. Apply two to four coats as desired; allow first coat to dry before applying second coat. Excess sealer can form a white residue if not removed promptly. Follow manufacturer's instructions.

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

Precautions:
Delivery, Storage and Handling: Deliver in manufacturer's unopened packages and store in dark and dry place at between 45 and 95 degrees F. Use OSHA compliant eye protection. Wear a respirator when mixing, sanding or scraping. Provide well-ventilated work areas. Avoid prolonged skin contact. Do not apply if rain or freezing temperatures are expected within 24 hours; protect from rain for 48 hours after application. Do not apply over wet or frozen surfaces. Do not apply when temperature is less than 45 degrees F or more than 95 degrees F. Keep away from children. Use within six months of purchase. See MSDS and product label.
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 Ortex aesthetic appeal.

AVAILABILITY AND COST
Availability: Contact Texston or visit the website for referrals to local sources.
Cost: Contact dealers for pricing information.

WARRANTY
Texstōn expressly warrants its products to be fit for the ordinary purpose for which they are intended for a period of ten years from date of installation when applied and used in accordance with manufacturer's instructions within six months of purchase. Texston'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. Texstōn 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 after cleaning. At interior surfaces, wipe off cleaning agents with a damp rag followed, if necessary, 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 Ortex Base and Color Coat are not structural components, cracks that appear in the 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 using Pencil or cap erasers or 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 sealer or top coat, if required, to sanded areas.

Repairs: Most damage to Ortex Color Coat 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: Texstōn 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.

Training: The ultimate quality and beauty of Texstōn finishes depend upon the skill of the installers who apply them. While Ortex Color Coat is simple enough that any skilled finish contractor can learn to apply it, we also conduct rigorous training programs through the Texstōn Architectural Finishing Institute (T.A.F.I) that enable us to certify master craftsmen. Classes can be conducted in the Texstōn studio, at a dealer's or contractor's location, or on a job site.

Installation: Texstōn can provide master craftsmen to assist local applicator crews.

ADDITIONAL INFORMATION: Material Safety Data Sheet, Contractor Application Tips, Instruction on Product Label, Samples, Specification Guide

TEXSTŌN
ARCHITECTURAL SURFACES

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