

COLORTEX-AE

Acrylic-Epoxy, Roller Applied, Scratch Coat

Technical Data & Application Instructions

PRODUCT DESCRIPTION

ColorTex-AE is a high quality, water-based acrylic-epoxy coating designed to enhance bonding to multiple substrates and increase its abrasion resistance. A special spherical silica sand is suspended in the textured version to provide a fine uniform non-skid finish that enhances the trowel application of Carrara Textures top coats on smooth, slick vertical substrates.

BASIC USES

ColorTex-AE is designed for use with Carrara Stucco as a roller applied, color matching scratch coat, ideal as a primer for Smartside smooth panels by Lp, as well as a top coat for concrete, masonry, stucco and plaster. Its epoxy-modified acrylic finish is designed to resist abrasion, weathering and moisture degradation. It provides a finely textured, weather-resistant colored finish on vertical surfaces such as building exteriors, highway bridge structures, median barriers, retaining walls and noise abatement walls.

COLORS & TEXTURES

ColorTex-AE is available in a wide range of popular architectural colors. An unlimited selection of custom colors is also available to meet specific project requirements. Color chips or samples from Sherwin Williams, Benjamin Moore or other national paint suppliers can be color matched. Dark or vibrant colors may require the use of a dark or accent base formulation.

TYPICAL PROPERTIES

1. Solids by Weight:

52% ± 2 [ASTM D2369]

2. Solids By Volume:

38% ± 2 [ASTM D2697]

3. Weight Per Gallon:

10.5 lbs. (±.2) (4.8 kg)

4. Flash Point:

>200°F (93°C) [ASTM D3278]

5. Dry Time:*

30 minutes to touch

1 to 2 hours for re-coat @ 75°F (24°C), 50% R.H. [ASTM D1640]

6. Cure Time

48 hours @ 75°F (24°C), 50% R.H. [ASTM D1640]

7. Temperature Limits For

Normal Service Conditions:

-30°F to 150°F (-34°C to 66°C)

*Dry times will increase with higher humidity &/or lower temperature



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Our data and suggestions are based on information from laboratory and field testing which we believe to be reliable. Because methods of application vary with each situation, we cannot guarantee or accept any liability resulting from the use of our products. Avoid contact with eyes and skin. For additional information on ColorTex-EP safety requirements, refer to OSHA guidelines and Material Data Safety Sheet.

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ADVANTAGES

- Single package, water-based system for ease of application and cleanup.
- Bonds tenaciously to Smartside Panel by Lp, concrete, masonry and stucco.
- Provides roller-applied, color matching scratch-coat, for troweled textured top coats.
- Resists ultraviolet degradation for long-term protection and color stability.
- Provides durable, non-skid texture on interior or exterior surfaces.
- Resists wear and abrasion through the incorporation of an epoxy additive.
- Helps prevent dusting and spalling of concrete surfaces.
- No toxic fumes or objectionable odor; meets all VOC requirements.

SURFACE PREPARATION

All surfaces must be structurally sound, clean and dry and free of any dirt, dust, oil, surface chemicals, or other contaminants that may interfere with optimum adhesion. Materials such as curing agents, form release agents, bond-breakers and other concrete processing materials shall be completely removed in accordance with the Manufacturer's printed instructions for removal prior to proceeding with the coating application.

New concrete must be allowed to cure a minimum of 28 days. It shall then be cleaned with **Carrara Cleaning Concentrate (CCC)** before etching and rinsing with liberal amounts of fresh water to assure complete acid removal. Sandblasting of concrete will be required if the surfaces are contaminated to the point that alternate cleaning methods are ineffective. Concrete surfaces having a smooth, steel troweled finish must be acid etched or sandblasted.

Spalled or delaminated areas in the concrete shall be identified and repaired using Global Coatings **AcraBond** polymer-modified cement leveling & base coat. For major repairs involving deterioration greater than 2" (5 cm) in depth, and/or severe corrosion of the reinforcement, consult a structural engineer for repair procedure.

Remove any laitance, fins or other projections from concrete surfaces. Bug-holes, voids and stress cracks in the masonry surface must be repaired with Global Coatings **AcraBond** polymer-modified cement patching material. Prior to application over masonry block, an approved block filler must be utilized to fill the pores and achieve a pinhole-free surface. Application of a block filler will maximize the effectiveness of the ColorTex-EP finish.

Fill all hairline cracks with urethane caulk, and strike level with the adjacent surface. Moving cracks larger than hairline should be routed prior to filling with urethane caulk. Remove all failed caulking material and clean the crack thoroughly prior to recaulking. Confirm that caulk is compatible with ColorTex-EP and that it is thoroughly cured prior to application. Remove any dirt or contaminants from the caulking prior to coating.

ColorTex-AE is not designed for coating over sealed control joints. Any dirt, dust, efflorescence and loosely adhering paint or coating shall be removed from previously painted surfaces. Paint that shows failure due to alkalies and moisture, which is recognizable by flaking, peeling and white deposits, must be completely removed. Chalky or oxidized surfaces shall be washed with a biodegradable cleaner, and thoroughly power rinsed with clean water. A sample application of **ColorTex-AE** shall then be applied to confirm adequate adhesion.



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APPLICATION

ColorTex-AE may be applied by brush or roller applied utilizing a ¼" to ½" (6 to 13 mm) nap roller. Brush application can be used for edge work or confined areas inaccessible by roller.

ColorTex-AE, when applied as a wall primer and top coated with a Carrara finish coat, may be applied as a single coat at the rate of 200-250 sq.ft. per gallon. However, when applied as a finish coat, **ColorTex-AE** shall be applied in two (2) separate coats to assure even coverage and proper film build. Apply over fully cured concrete (28 days) and other approved vertical substrates, at 250 to 300 sq. ft. per gallon per coat.

All surfaces must be uniformly coated and free from voids, pinholes and blisters. Successive coats of **ColorTex-AE** should be applied perpendicularly and as soon as the previous coat has dried sufficiently. This is normally accomplished within 2 hours, but in any event before contamination occurs. If contamination does occur on any coated surface, it must be broomed or if necessary, pressure washed before additional coats are applied. **ColorTex-AE** should extend a minimum of 4" (10 cm) up vertical walls or projections to create a self-terminating flashing.

ColorTex-AE cures to an attractive flat finish. If a semi-gloss sheen is desired, or for ease of cleanability in high traffic or other areas subject to dirt pick-up, **ColorTex-AE** may be top coated with **MicroSeal**. Apply a single coat at the rate of approximately 200 sq. ft. per gallon (4.9 m²/l) over the final coat of ColorTex-EP once it has dried.

Brush or roller are easily cleaned with soapy water. Clean spray equipment with water and final flush with a mixture of water and Lacquer Thinner or water and Methyl Ethyl Ketone (MEK).

CLEAN-UP

Clean tools with water before material dries. Use water and biodegradable detergent to thoroughly flush equipment. Purge water from the system using Mineral Spirits or Glycol Ether prior to storage.

PACKAGING & MIXING

ColorTex-AE components are single package, ready to use materials available in 5-gallon (19 liter) pails and 55-gallon (208 liter) drums. Thoroughly mix all containers using a power mixer capable of uniformly blending the entire contents prior to use. It is not recommended to thin or reduce the material.

LIMITATIONS & PRECAUTIONS

ColorTex-AE will freeze and become unusable at temperatures below 32°F (0°C). Do not apply at temperatures below 50° F (10° C) or if temperatures have the possibility to fall to 32° F (0° C). Do not apply if weather conditions will not permit complete cure before rain, dew, fog or freezing temperatures occur. Avoid breathing of vapor or spray mist. For exterior applications, an approved (MSHA/NIOSH) chemical cartridge respirator must be worn by applicator and personnel in vicinity of application. If used indoors, provide mechanical exhaust ventilation and air line masks or positive pressure hose masks. Avoid contact with eyes and contact with skin. ColorTex-EP should not be used for below grade applications, nor should it come in contact with ground level dirt and contaminants. If used on the front side of planter boxes, retaining walls or other surfaces where there is a possibility of hydrostatic pressure, the back side of the wall must be waterproofed prior to backfilling.

Avoid contact with eyes and skin. For additional information on safety requirements, refer to OSHA guidelines and **COLORTEX-AE** Material Safety Data Sheet.



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