

ArtCrete 801

Colored Stucco Finish Coat



DESCRIPTION • Ultimate performance, polymer modified cementitious finish stucco unparalleled in adhesion, flexibility, and weathering. Highly decorative with endless application possibilities including stamping and staining. Applicable in 2-20 mm thicknesses on a variety of substrates.

USES • *ArtCrete 801 Colored Stucco Finish* is suitable for use as a finishing coat on exterior and interior walls and facades ranging from residential to heavy commercial and industrial buildings. Due to its superior adhesion strength and flexibility, it can be applied over a wide variety of bases.

ADVANTAGES

- ✓ Superior adhesion.
- ✓ Highly flexible and resistant to cracking.
- ✓ Breathable, allowing humidity to escape.
- ✓ Cement-based, and therefore compatible with the substrate
- ✓ Minimum need for maintenance.
- ✓ Extremely durable for all climates.
- ✓ Wide range of application, 2mm to 20mm.
- ✓ Wide choice of colors.
- ✓ Unlimited choice of finishing textures.

PERFORMANCE CHARACTERISTICS

Weather Resistance: *ArtCrete 801* has the ability to withstand weathering including resistance to rain and extreme thermal and moisture changes.

Tensile Strength: *ArtCrete 801* is able to resist tensile stresses, whether developed internally or externally, due to the material properties' compatibility with a cement-based substrate.

Crack Resistance: Due to its high degree of flexibility, *ArtCrete 801* is able to withstand bending of the substrate and to bridge hairline cracks.

Bond: *ArtCrete 801* can be applied directly on a variety of surfaces, including non-cement based substrates such as gypsum board and wood panels.

COVERAGE • Coverage depends on the tools used for application, texture, surface irregularities and roughness. Coverage of approximately 10 sq meters per 35 kg bag at 3 mm thickness is dominant.

LIMITATIONS • Do not mix or apply if ambient temperature is expected to drop below 5°C during installation or in the proceeding 24 hours, or if rain is expected in the proceeding 24 hour period after application. Do not mix or apply when ambient temperature is expected to exceed 35°C. Avoid working in direct sunlight. Temporary protection from

weather and other damage must be provided at all times until entire job is completed.

TECHNICAL DATA

| Test | Criteria | Result |
|--|-------------------------|-----------------------|
| Flexural Strength (EN 12808-3:2002) | ≥ 3.5 N/mm ² | 3.5 N/mm ² |
| Abrasion Resistance (EN 12808-2:2002) | ≤ 2,000 mm ³ | 525 mm ³ |
| Skrinkage Test - 28 days (EN 12808-4) | ≤ 2 mm/m | 1.26 mm/m |
| Water Absorption (EN 12808-5) | | |
| After 30 minutes | ≤ 5 g | 2.33 g |
| After 240 minutes | ≤ 10 g | 5.08 g |
| Tensile Adhesion (EN 998) (N/mm ²) | n/a | 0.58 |

SURFACE PREPARATION • *ArtCrete 801* is very compatible with concrete masonry and new concrete and can be applied on an array of bases: block, brick, plaster, gypsum board, and wood panels. All bases should be sufficiently rigid, clean of any surface contamination that may prevent good suction. Dense, smooth surfaces, and those retaining excessive amount of form release agent can cause delamination of the plaster from the base. High gloss, or low absorption surfaces can be made more receptive by sandblasting.

Any painted or coated surfaces should be sandblasted or pressure washed to remove existing coating. The base should be straight, true to line, and plane. Misalignment of substrate can be corrected with *ArtCrete 700 Brown Coat Ready Mix Plaster*, avoiding excessive and different plaster thicknesses within a single panel.

MIXING • Mixing should be completed by a mechanical method, preferably with a paddle type mixer. Drill mounted jiffy type mixers can also be used. Always add clean potable water first. Mixing duration should last for 3 to 5 minutes to insure proper color and material dispersion within the mix. Typically, one 35 kg bag will require 8-9 liters of water, though the plasterer can best judge the required consistency depending on the desired finish, while observing its workability and the degree of bonding to the substrate. However, care should be taken not to exceed 10 liters of water per 35 kg bag.

APPLICATION • *ArtCrete 801* can be applied by hand or machine to a thickness of not less than 2mm. A maximum of 10mm in a single coat

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application can be managed efficiently; however, some textures can be applied to thickness of up to 20mm.

A steel trowel, wood float and a sponge float are used in conjunction with a small amount of clean water to produce any texture desired. Anywhere from a smooth steel trowel to a Spanish finish can be attained. **ArtCrete 801** advanced formulation allows for simple fast applications without the requirement of densification. Unlike other plasters, the surface will not slag, crack, or delaminate if not floated.

The textured finish is achieved by scrapping, floating or trowelling while the plaster is still "green". A uniform approach is essential to achieve an even finish. The application of a coat of plaster should not be interrupted within a façade, the applicator must plan ahead to complete the work up to either a control joint or to a corner of a façade before halting the application for any reason. When using a plaster machine, the plaster is applied in a continuous operation and finished manually to the specified thickness. Texture is controlled by the air pressure, the opening of the orifice, and the distance of the nozzle from the surface.

CURING • **ArtCrete 801** is designed to be air cured only. Moist curing should be applied to the base coat only, and continued until the application of **ArtCrete 801**. The use of **A-Z 100 Curing Agent** is recommended when applying on surfaces permanently in contact with water.

SEALING • **A-Z Penetrating Sealer** is highly recommended for additional moisture protection without disturbing the breathability of the surface. On surfaces permanently in contact with water, the use of **A-Z Hydroseal** is highly recommended.

CLEANING • Clean all tools and equipment promptly with clean water.

STORAGE • Keep material covered and off the ground to prevent exposure to moisture. Store in a dry area. When stored at specified conditions in original unopened packaging, shelf life is 12 months from date of purchase.

SAFETY PRECAUTIONS • **KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.** Portland cement and silica based products present health hazards. Irritating to eyes and skin. Use in adequate ventilation and do not breathe dust. Contains silica aggregates (quartz). May cause delayed lung injury (silicosis). Use neoprene gloves and a dust mask when handling. **FIRST AID:** Eyes – Do not rub eyes, immediately flush with fresh water. Skin – Wash with soap and water. Inhalation – If experience difficulty breathing or if inhaled, move to fresh air. If symptoms persist, seek medical attention.

PACKAGING • 35 kg paper bags.

Creative Concrete Concepts

PO Box 925794, Amman 1110, Jordan; Tel +962-6-487-4078, Fax +962-6-488-9133 • PO Box 91234, City of Industry, CA 91715-1234, USA; Tel +1-909-266-0709, Fax +1-909-266-0711 • PO Box 31017, Sharjah, UAE; Tel +971-6-532-1119, Fax +971-6-532-8833