

ArtCrete 801XT

Finish Coat for EIFS



DESCRIPTION • ArtCrete 801XT is a polymer modified, cement based render coat specially formulated for the demanding requirements of Exterior Insulation and Finish Systems (EIFS). Modified from CCC's flagship ArtCrete 801 color stucco, ArtCrete 801XT contains a higher dosage of polymers for added flexibility and adhesion strength. ArtCrete 801XT's unique blend of cement and polymers gives it workability and versatility not found in traditional acrylic-based EIFS finish coats, allowing it to be finished in an endless variety of textures ranging from heritage to polished, while retaining the weatherability and durability characteristics of cement based plasters; ArtCrete 801XT is unaffected by humidity and moisture. ArtCrete 801XT is integrally colored and is available in over 50 standard colors.

USES • ArtCrete 801XT was specifically formulated for use as the finish coat for EIFS. It is typically applied directly over the cementitious base coat of EIFS without the need for a primer. ArtCrete 801XT may also be used as the finish coat over gray plaster or concrete in applications where added flexibility of ArtCrete 801XT may be advantageous.

ADVANTAGES •

- ✓ Superior adhesion.
- ✓ Highly flexible and resistant to cracking.
- ✓ Does not require a key coat or primer.
- ✓ Breathable, allowing humidity to escape.
- ✓ Cement-based; compatible with substrate.
- ✓ Minimum need for maintenance.
- ✓ Extremely durable for all climates.
- ✓ Wide range of application, 2mm to 20mm.
- ✓ Wide choice of colors.
- ✓ Easy to apply and self curing.
- ✓ Unlimited choice of finishing textures.

PERFORMANCE CHARACTERISTICS •

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

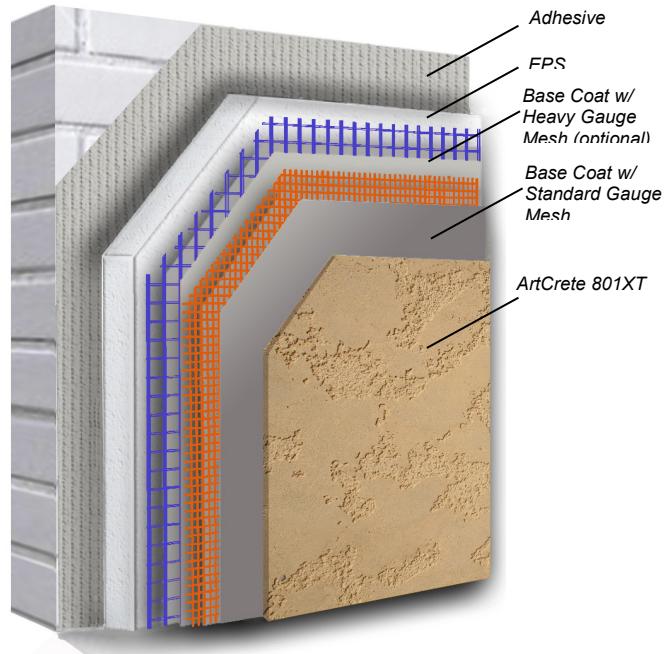
Crack Resistance: Due to its high polymer modification, ArtCrete 801XT resists cracking.

Bond: ArtCrete 801XT can be applied directly without the need for a primer or key coat.

COVERAGE • Coverage depends on the tools used for application, texture, surface irregularities and roughness. Coverage is approximately 6-7 sq meters per 25 kg bag at 3 mm thickness.

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 40°C. Avoid working in direct sunlight. Temporary protection from weather and other damage must be provided.

SYSTEM CONFIGURATION •



TECHNICAL DATA • Complies with EN 998 requirements for wall render finish.

| Test | Criteria | Result |
|--|--------------------------------|--|
| Flexural Strength EN 12808-3:2002 ASTM C 348 7 days 28 days | ≥ 3.5 N/mm ² n/a | 3.5 N/mm ² 3.2 N/mm ² 6.6 N/mm ² |
| Compressive Strength EN 12808-3:2002 ASTM C 109 3 days 7 days 28 days | ≥ 2.5 N/mm ² n/a | 9.7 N/mm ² 7.0 N/mm ² 13.4 N/mm ² 18.3 N/mm ² |
| Abrasion Resistance (EN 12808-2:2002) | ≤ 2,000 mm ³ | 276 mm ³ |
| Shrinkage Test - 28 days (EN 12808-4) | ≤ 2 mm/m | 1.26 mm/m |
| Water Absorption (EN 12808-5) After 30 minutes After 240 minutes | ≤ 5 g ≤ 10 g | 2.33 g 5.08 g |

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|--|---------------------------|-------------------------|
| Tensile Adhesion (EN 998) | $\geq 0.3 \text{ N/mm}^2$ | 0.58 N/mm^2 |
| VOC (w/A-Z Penetrating Sealer WB), USEPA 24 | n/a | 0 g/L |
| Ignitability, BS EN ISO 11925-2 | n/a | Class E (non ignitable) |
| Salt Spray Resistance ASTM B 117, 150 hrs. 5% NaCl | n/a | Pass |
| Pencil Hardness ASTM D 3363-05 | n/a | > 6H |

SURFACE PREPARATION • *ArtCrete 801XT* is compatible with any cement-based substrate including concrete, plaster, and cement-based base coats of EIFS such as *FoamFix XT/ST* or equivalent. *ArtCrete 801XT* does not require the use of a primer or key coat when applied on cement-based substrates. When applying on wood, gypsum board, or other highly absorptive and moisture-sensitive substrates, it is recommended that the substrate be primed with a coat of *A-Z Prime Bond*.

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 Ready Mix Plaster* or *FoamFix XT/ST*.

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 25 kg bag will require 6-7 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.

APPLICATION • *ArtCrete 801XT* can be applied by hand or machine to a thickness of not less than 2mm. A maximum of 10mm in a single coat application can be managed efficiently with hand-held tools. For most textures, the application thickness is in the range of 3 to 5 mm.

A steel trowel and a sponge float are used in conjunction with a small amount of clean water to produce any texture desired, ranging from polished finish to heritage textures. Use a sponge float to remove air bubbles that could induce local cracks.

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.

For installation on EIF Systems, first install a base layer of *FoamFix XT* with fiberglass mesh such as *InsuCrete Standard Mesh* or equivalent over the insulation board. Allow the base coat to cure overnight before applying *ArtCrete 801XT*. Insure that the reinforcing mesh is completely immersed and covered by the base coat; if ghosting of the mesh is observed, apply a thin layer of the base coat to completely cover the mesh.

CURING • *ArtCrete 801XT* is self-curing and designed to be air cured only.

SEALING • In order to avoid staining of the render from rain runoff water or other sources and to facilitate easy cleaning, it is highly recommended to seal the render once it has fully set. The render may be sealed with any grade of *A-Z Penetrating Sealer*, or *A-Z HydroSeal*. For EIFS applications, used only the water-based grades of *A-Z Penetrating Sealer* such as WB or OW.

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 breath 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.

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PACKAGING • 25 kg paper bags.

SUGGESTED SHORT FORM SPECIFICATIONS •

All architectural surfaces designated in the plans or specifications as having an integrally colored stucco finish shall have CREATIVE CONCRETE CONCEPTS ArtCrete 801XT™ installed in accordance with manufacturer technical data sheet and written instructions in the InsuCrete EIF System. The adhesive coat shall be CREATIVE CONCRETE CONCEPTS FoamFix XT™ applied in accordance with manufacturer technical data sheet and instructions. The base coat shall be CREATIVE CONCRETE CONCEPTS FoamFix XT™ with InsuCrete Standard Mesh embedded into the base coat in two layers for the first 2 meters above the ground or at balconies and other areas exposed to traffic, and one layer for other areas. The finish coat shall be CREATIVE CONCRETE CONCEPTS ArtCrete 801XT™ applied in [] mm thickness in required texture and color *[select from CCC Standard Color Chart]*. All finished surfaces must be sealed with CREATIVE CONCRETE CONCEPTS [A-Z Penetrating Sealer WB/SMK™, A-Z HydroSealer™] in accordance with manufacturer technical data sheet and instructions. All products shall be manufactured by CREATIVE CONCRETE CONCEPTS, Sharjah, UAE or Amman, Jordan; info@tex-crete.com.

Creative Concrete Concepts

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