

**DESCRIPTION** • *ArtCrete 800 Colored Plaster* is a factory blended, fiber reinforced, colored cement-based plaster that can be applied in thicknesses of 5-20 mm. *ArtCrete 800's* formulation is based on well graded silica sand and other additives to achieve high compressive strength and maximum performance. Due to its fine aggregate composition, *ArtCrete 800* can be used to create a variety of heritage finishes and textures. *ArtCrete 800* is available in a wide range of colors.

**USES** • *ArtCrete 800* is an economical, yet higher performance alternative to a 3-coat dash coat - brown coat - paint system. *ArtCrete 800* is typically applied on block work and concrete as the leveling and finish layer in a 2-coat system, replacing the need to install a gray plaster layer and a paint coating. *ArtCrete 800* must be applied on a keying coat of *DashCrete Splatter Dash Coat*. *ArtCrete 800* is suitable for interior and exterior applications and can be applied by hand or by machine.

#### ADVANTAGES •

- ✓ Water vapor permeable, allowing the surface to breath.
- ✓ Integral color, therefore not requiring paint.
- ✓ Different finishes and textures can be achieved by utilizing various application techniques.
- ✓ Cement-based material, therefore compatible with the substrate.
- ✓ Formulate for high performance.
- ✓ Available in over 40 standard colors.

#### PERFORMANCE CHARACTERESTICS •

**Weather Resistance:** *ArtCrete 800* has the ability to withstand weathering including resistance to rain and extreme thermal and moisture changes.

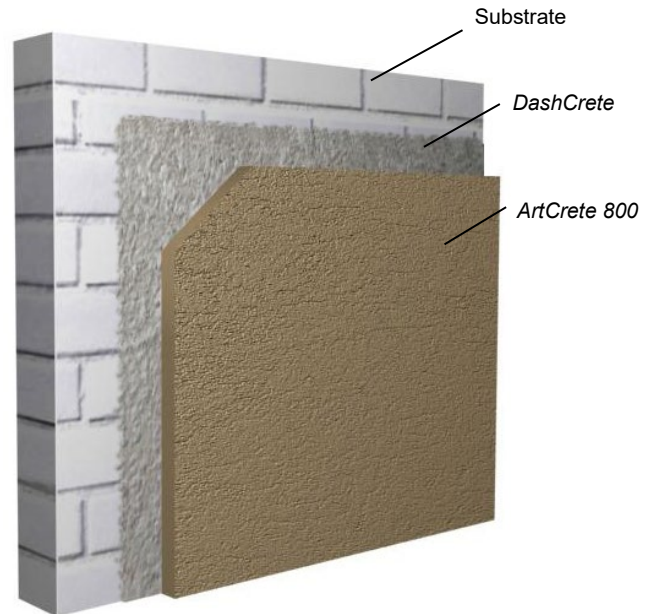
**Tensile Strength:** *ArtCrete 800* is able to resist tensile stresses, whether developed internally or externally, due to the material properties' compatibility with cement-based substrates.

**COVERAGE** • Coverage depends on the texture, surface irregularities and roughness. Coverage of approximately 1-1.25 sq meters per 25 kg bag at 10 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.

#### SYSTEM DETAIL •



**SURFACE PREPARATION** • 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. Variations in the moisture content or cure level of the base layer may lead to an uneven color and texture finish. Therefore, if necessary the base substrate should be evenly sprayed with water or treated with *PrimeBond* or other priming coatings prior to application in order to equalize absorption.

When working on concrete block, pre-cast concrete, or brick, a coat of *DashCrete Splatter Dash Coat* should first be applied to the substrate. When applying on a brown coat substrate, the gray plaster should be leveled with a darby or trowel then floated or brushed to generate an open and rough surface that would provide good mechanical adhesion.

**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. The plasterer can best judge the required

## ArtCrete 800 Colored Plaster

consistency depending on the desired finish, while observing its workability and the degree of bonding to the substrate, but care should be taken not to exceed 11.4 liters of water per 40 kg bag.

**APPLICATION** • *ArtCrete 800* can be manually applied as a single coat onto the substrate in 5 to 10 mm thicknesses. Achieving greater than 10 mm thicknesses can be accomplished by application of the plaster in two stages. The textured finish is achieved by scrapping, floating or troweling 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 struck 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** • Moist curing by lightly fogging with water should be carried out within the first 24 hours after the 3-5 hour initial set. Protect the plaster coat from any adverse weather conditions, such as high winds and extreme heat, or rain and dew. It is recommended to cover the plaster with polyethylene plastic sheeting or Kraft-type paper to prevent excessive drying during the initial 24 hour period. Full cure is achieved in 7 to 28 days, depending on weather conditions. The use of *A-Z 100 Curing Agent* is recommended when applying on surfaces permanently in contact with water.

**SEALING** • *A-Z Penetrating Sealer* or *A-Z HydroSeal* is highly recommended to prevent moisture from penetrating the surface 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 based products present health hazards. Irritating to eyes and skin. Use in adequate ventilation and do not breathe dust. 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** • 25 kg paper bag.

**SUGGESTED SHORT FORM SPECIFICATIONS** • All architectural surfaces designated in the plans or specifications as having an integrally colored plaster finish shall have CREATIVE CONCRETE CONCEPTS ArtCrete 800™ Colored Plaster installed in accordance with manufacturer technical data sheet and written instructions in the ArtCrete 2-Coat System. The dash coat shall be CREATIVE CONCRETE CONCEPTS DashCrete™ Splatter Dash Coat applied over the block work substrate in accordance with manufacturer technical data sheet and instructions. The finish and leveling layer shall be CREATIVE CONCRETE CONCEPTS ArtCrete 800™ applied in [ ] mm thickness in required texture and color [select from CCC Standard Color Chart] applied and cured in accordance with manufacturer technical data sheet and instructions. All finished surfaces must be sealed with CREATIVE CONCRETE CONCEPTS [A-Z Penetrating Sealer WB/LS/SB/SMK™, A-Z HydroSeal™] 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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