

# ArtCrete 800

## Colored Plaster



**DESCRIPTION** • *ArtCrete 800 Colored Plaster* is a ready mixed colored cementitious plaster coating that can be applied in thicknesses of 5-20 mm. A maintenance-free coating, it is designed to function as an architectural finish and protective coating to the substrate from environmental conditions. Different textures can be produced depending on the tools and techniques. Available in a wide range of colors.

**USES** • *ArtCrete 800* is suitable as a finish coat and can be applied directly on a dash coat or brown plaster. When applied directly to a dash coat, *ArtCrete 800* can be used as the second and final coat in a two-coat system, replacing the traditional brown coat plaster. When applied to a brown coat, it can function as a finish coat in a three-coat system. *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 painting.
- ✓ Different finishes and textures can be achieved by utilizing various application techniques.
- ✓ Cement-based material, therefore compatible with the substrate.
- ✓ 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 4 sq meters per 40 kg bag at 5 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.

**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. 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. Variations in the moisture content or cure level of the base layer may lead to an uneven color and texture finish. Therefore, 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 brown plaster should be leveled with a darby or trowel then floated or brushed to generate an open 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 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 should be applied to the base coat, and continued until the application of the finishing plaster coat. Immediately after the finish coat hardens, the surface should be uniformly moist cured, and care should be taken to keep color uniform. If it is hot, dry and or windy, the plaster should be moistened and covered with polyethylene plastic sheeting. 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 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.

**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 breath 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** • 40 kg paper bags.

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

### Creative Concrete Concepts

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