

MarbleCrete Bedding Coat

DESCRIPTION • *ArtCrete 903 MarbleCrete Bedding Coat* is a ready mixed colored, lightweight, Portland cement-based plaster applicable in thicknesses of 5-20 mm for embedding with decorative aggregates. It is designed to function as an economical decorative finish and protective coating to the substrate from environmental conditions.

USES • *ArtCrete 903* was designed to be a finish coat that would be embedded with a variety of decorative aggregates after it has been plastered. It can be applied directly on a dash coat or brown plaster. *ArtCrete 903* is available in a wide variety of colors, and when combined with the aggregates, provides endless options for a customized design. When applied to a brown coat, it can function as a finish coat in a three-coat system. *ArtCrete 903* is suitable for interior and exterior applications and can be applied by hand or by machine.

ADVANTAGES •

- ✓ Unlimited design options.
- ✓ Maintenance-free and economical.
- ✓ Integral color.

COVERAGE • Coverage depends on the texture, surface irregularities and roughness. Coverage of approximately 2 sq meters per 35 kg bag at 10 mm thickness is dominant.

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. Metal screeds, plaster stops or control joints should be used to define panel areas of no more than 10 sq meters each.

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 applying on concrete block, masonry, or brick, a coat of *DashCrete-Splatter Dash Coat* must first

be applied to the substrate in a minimum thickness of 1.2 mm and allowed to dry for 24 hours before installation of *ArtCrete 903*. 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. Attention must be given to the moisture level of the brown coat plaster as outlined above. Where local building codes permit, *ArtCrete 903* can also be applied over a leveled and scored scratch coat of 10 mm thickness. When applying on concrete substrates, slick surfaces must first be sandblasted to remove glaze. Then apply a coat of *DashCrete* to the clean, dry concrete surface. Finally apply a leveling coat of *ArtCrete 700 Brown Coat Ready Mix Plaster* in a thickness of 3-7 mm. Straighten with rod, then darby and broom horizontally. Continue with brown coat surface preparation as outlined above.

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 10 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 10 liters of water per 35 kg bag.

APPLICATION • *ArtCrete 903* can be manually applied as a single coat onto the substrate in 10 to 15 mm thicknesses. 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 applying manually, scratch and double back the coat, then even with rod or darby. When using a plaster machine, apply to correct thickness in one pass, then even with rod or darby. After application, cut level of bedding coat 1.5 mm below screed to allow for rise in thickness after application of aggregates.

Clean aggregates by washing or screening and allow to dry. Evenly apply the aggregate to a uniform coverage of 85% to 90% of the surface using a Hanson or equivalent type rock gun, a hand paddle, or simply hand spatter. Tamp aggregate to even the surface and increase adhesion to *ArtCrete 903* bedding coat. Allow to fully dry before sealing with *A-Z Super Sealer* with brush or spray.

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CURING • *ArtCrete 903* is designed to be air cured only. Moist curing should be applied to the base coat only, and continued until the application of *ArtCrete 903*. The use of *A-Z 100 Curing Agent* is recommended when applying on surfaces permanently in contact with water

SEALING • *A-Z Super Sealer* is highly recommended to highlight the aggregates and protect the surface from moisture and stains.

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

STORAGE • Keep material covered to prevent exposure to moisture. Store in a dry area.

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 • 35 kg paper bags.

Creative Concrete Concepts

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