

**DESCRIPTION** • *ArtCrete 900 Lightweight Plaster* is an uncolored, fiber-reinforced, lightweight plaster for interior and exterior vertical applications.

**USES** • *ArtCrete 900* is suitable for use as a brown coat on exterior and interior walls and facades where lightweight properties are required. It is largely used as the second coat, applied on a coat of *DashCrete Splatter Dash Coat*, in a three-coat system for walls to receive a final stucco finish.

#### ADVANTAGES •

- ✓ Will not sag in thicknesses up to 200 mm.
- ✓ Outstanding thermal and acoustic insulation.
- ✓ Fiber reinforced.
- ✓ Extended working time.

**COVERAGE** • Coverage depends on the tools used for application, texture, surface irregularities and roughness. Coverage is approximately 1.8 square meters per 15 kg bag at a 10 mm thickness.

#### TECHNICAL DATA •

Specific Gravity – after 7 days curing	1.23
Compressive Strength (ASTM C 109)	
@ 7 days	2.3 MPa
@ 28 days	12.0 MPa
Flexural Strength (ASTM C 348)	
@ 7 days	1.3 MPa
@ 28 days	4.2 MPa

**SURFACE PREPARATION** • *ArtCrete 900* can be applied on an array of bases. It is compatible with concrete, blockwork, and masonry surfaces. *ArtCrete 900* must be applied on a surface with the proper roughness to provide adequate mechanical keying. For best results, it is highly recommended to apply it on a base of *DashCrete Splatter Dash Coat*. All bases must be sufficiently rigid, structurally sound, and clean of any surface contamination such as dirt, grease and loose particles that may prevent good adhesion. Ensure that all fixtures, concealed conduits, service outlet pads, window frames and door frames are well protected.

Dense, smooth surfaces and those retaining excessive amount of form release agent can cause de-lamination of the plaster from the base. The use of metal or wire lath on the surface will eliminate this problem. High gloss surfaces, or those with low absorption, can be made more receptive to plaster application by first applying a coat of *DashCrete Splatter Dash Coat*. Any painted or coated surfaces must be sandblasted or grinded to remove existing coating. The substrate must be sufficiently moistened prior to application by light spraying of water; on old masonry surface, wet the surface on

the day before application with a water hose. Do not apply to surfaces that are frozen or contain frost or ice.

**MIXING** • Mixing should be completed with a paddle type mixer. Always add water first before plaster to prevent lumps from forming in the plaster mix. Mixing should take place for 3 to 5 minutes to insure proper material dispersion. Use 5-5.5 liters of clean water per 15 kg bag, depending on desired consistency, while observing workability and the degree of bonding to the substrate. It is highly recommended to maintain water mixing ratio for all mixing batches on a job. Do not add any kind of unapproved additives to the mix.

**APPLICATION** • Whether *ArtCrete 900* is applied by hand or machine, sufficient force must be used to develop full and intimate contact with the substrate.

Spray Machine Application: Hold nozzle at a distance of 30-40 cm from substrate. Move the nozzle in a continuous, smooth motion from side to side, building up layer by layer to achieve approximately the required thickness. Final leveling to the exact required thickness will be done manually at a later stage.

Hand Application: Transfer the plaster to the wall using a masonry trowel to impact the plaster to the wall at high speed; this will insure the application of sufficient force. Build up the thickness gradually in several layers.

Leveling: Use a straight edge to even the surface to the required thickness. Hollow areas can be filled again and rodded to level out the surface. Use a stainless-steel trowel to level out the plaster surface.

**FINISHING** • Once the plaster has achieved sufficient hardness, work with a steel trowel to achieve an even suction and the required surface texture. For surfaces to receive a paint finish, work the plaster surface with a steel trowel to achieve a smooth finish. For surfaces to receive a cementitious stucco finish coat (three coat system), *ArtCrete 900* should be finished with a coarse sand float, lightly broomed, or scratched horizontally to provide a bonding surface for the finish coat. When used as the leveling and finish coat in a two-coat system, finish to the desired texture such as floated or smooth trowel.

**CURING** • *ArtCrete 900* is self-curing and does not require water curing. The use of *A-Z 100 Curing Agent* is recommended when applying on surfaces permanently in contact with water or under high wind conditions.

## ArtGrout 900 Lightweight Plaster

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**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 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.

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**PACKAGING** • 15 kg paper bags.

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Creative Concrete Concepts

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