

Description

Ameristone... rock solid and beautiful, provides the architect and designer with a new level of durability and performance in an elegant architectural stone finish. Ameristone is a dramatic blend of natural aggregates varying in size and colour, encased in a clear, 100% acrylic binder.

Benefits

Ameristone is ready mixed and has excellent colour retention. It is vapor permeable and is now even more resistant to dirt pickup, mildew growth and UV degradation.

Uses

Ameristone is recommended for use with any of Dryvit's exterior insulation and finish systems. It can also be used as a finish over properly prepared stucco, concrete and masonry substrates. Ameristone is an exterior and interior finish that is suitable for all building types.

Coverage

The recommended coverage is 5.1-6 m² (55-65 ft²) per 19 L (5 gal) pail. Coverage will vary depending upon the texture and appearance desired. Ameristone must never be sprayed greater than 3.2 mm (1/8 in) thick in a single coat.

Properties

Drying Time: The drying time of Ameristone is dependent upon the air temperature and relative humidity. Under average drying conditions, 21 °C (70 °F), 55% R.H., Ameristone will dry in 48 hours. Protect work from rain during the drying period.

Testing Information

For individual test data on this product's properties, please reference the chart included with this document.

Application Procedure

Job Conditions: Air and surface temperature for application of Ameristone must be 10 °C (50 °F) or higher and must remain so for a minimum of 48 hours.

Temporary Protection: Shall be provided at all times until Ameristone finish and installation of permanent flashings, sealants, etc. are completed

to protect the wall from inclement weather and other sources of damage.

Surface Preparation

- Surface must be smooth and free of imperfections to ensure satisfactory appearance.
- Interior and exterior surfaces must be above 10 °C (50 °F) and must be clean, dry, structurally sound and free of efflorescence, grease, loose paint, oil, form release agents and curing compounds. Interior painted surfaces must be lightly sanded before application of Dryvit Primer with Sand.
- **Dryvit Reinforced Base Coat:** The base coat must dry and cure a minimum of 24 hours before application of Dryvit Primer and Ameristone.
- **Concrete:** The concrete shall have fully cured prior to application of Dryvit Primer and Ameristone. If efflorescence, form release agents or curing compounds are present on the concrete surface, the surface shall be thoroughly washed with muriatic acid and flushed to remove residual acid. All projections shall be removed and small voids filled with Dryvit Primus® or Genesis™ mixture (see product data sheets for mixing and application).
- **Masonry:** The masonry surface, with joints struck flush, shall be "skim coated" with Dryvit Primus or Genesis mixture to produce a smooth, level surface.
- **Stucco:** Dryvit Primer and Ameristone shall be applied over the cured brown coat. If additives are present in the stucco, a test patch shall be made and bond strength checked prior to application.

Mixing: Mix the Ameristone for approximately 1 minute to ensure uniformity using a "Twister" paddle or equivalent mixing blade powered by a 12.7 mm (½ in) drill, 450-500 RPM, just prior to application. DO NOT OVERMIX.

Application: Colour-coordinated Dryvit Primer (*see chart) shall be applied to all substrates a minimum of four hours prior to application of Ameristone. Dryvit Primer must be fully dry before Ameristone is applied. **Ameristone should be applied by a skilled mechanic experienced in the spraying of aggregate finishes.**

Apply two coats (one horizontally, one vertically) to achieve uniformity. Refer to Ameristone application instructions, DSC142, for full details. Allow the Ameristone to thoroughly dry for a minimum of 48 hours under average drying conditions, 21 °C (70 °F), 55% R.H. Do not apply Ameristone on surfaces, which will receive sealant. Those surfaces shall be coated with colour-coordinated Dryvit Primer.

Clean Up: Clean tools with water while Ameristone is still wet.

Maintenance: All Dryvit products are designed to minimize maintenance. However, as with all building products, depending on location, some cleaning may be required. See Dryvit publication DSC152 on cleaning and recoating.

Storage

Ameristone must be stored at 10 °C (50 °F) or above in tightly sealed containers out of direct sunlight.

Cautions and Limitations

- Ameristone must not be used on exposed exterior horizontal surfaces. Minimum slope is 152 mm (6 in) in 305 mm (12 in) (27°). Maximum length of slope is 305 mm (12 in).
- Ameristone shall be applied at a minimum thickness of 3.2 mm (1/8 in) but not greater than 4.8 mm (3/16 in).
- Ameristone shall not be used below grade.
- Minor colour deviation will occur due to the natural aggregate and variations in raw materials. It is strongly recommended that when ordering this finish for a particular project, all pails required to complete that project be ordered at the same time. To achieve the best colour results, material from the same batch number should be applied to a specific wall section. Therefore, check batch numbers before applying materials. Spray technique can also affect final colour. Orifice size, pressure, application thickness and the distance of the spray gun from the substrate should remain constant in order to achieve uniform appearance.
- A minimum 2.4 m x 2.4 m (8 ft x 8 ft) area of actual project or mock-up wall shall be coated by the applicator/contractor with the Ameristone finish to establish

acceptance by the owner, architect or project manager.

- Ameristone is not intended for direct-applied, vertical applications over

exterior gypsum based sheathing, foam plastic insulation or other type insulation board.

Ameristone Finish Testing			
Test	Test Method	Criteria	Results
Surface Burning Characteristics	ASTM E 84	ICC and ANSI/EIMA 99-A-2001 Flame Spread <25 Smoke Developed <450	Passed
Flexibility ¹	ASTM D 522 Method B	No ICC or ANSI/EIMA Criteria	Passed: 3.5" diameter @ 40 °F
Water Vapor Transmission	ASTM E 96 Procedure B	ICC: Vapor Permeable No ANSI/EIMA Criteria	45 Perms
Accelerated Weathering	ASTM G 154 Cycle 1 (QUV)	ANSI/EIMA 99-A-2001 2000 hours: No deleterious effects ²	5000 hours: No deleterious effects ²
	ASTM G 155 Cycle 1 (Xenon Arc)	ICC: 2000 hours: No deleterious effects ²	2000 hours: No deleterious effects ²
Chalk Rating	ASTM D 4214 after ASTM G 154 Cycle 1	No ICC or ANSI/EIMA Criteria	Chalk rating: 8 after 5000 hours QUV
Instrumentally Measured Colour Difference ³ (includes yellowing)	ASTM D 2244 CIELAB, 10° Observer after ASTM G 154 Cycle 1	No ICC or ANSI/EIMA Criteria	Colour change: 5.0 Delta E after 5000 hours QUV
Freeze-Thaw Resistance	ASTM E 2485 (formerly EIMA 101.01)	ANSI/EIMA 99-A-2001 60 cycles: No deleterious effects ²	90 cycles: No deleterious effects ²
Mildew Resistance	ASTM D 3273	ANSI/EIMA 99-A-2001 28 days: No growth	60 days: No growth
Salt Spray Resistance	ASTM B 117	ICC and ANSI/EIMA 99-A-2001 300 hours: No deleterious effects ²	1000 hours: No deleterious effects ²
Water Resistance	ASTM D 2247	ICC and ANSI/EIMA 99-A-2001 14 days: No deleterious effects ²	42 days: No deleterious effects ²
Abrasion Resistance	ASTM D 968 Method A Falling Sand	ANSI/EIMA 99-A-2001 500 liters (528 quarts): No deleterious effects ²	1000 liters (1057 quarts): No deleterious effects ²
	ASTM D 4060 Taber Abrasion (500 g load)	No ICC or ANSI/EIMA Criteria	1000 cycles: .83 mg mass loss/rev
Adhesion to Concrete	ASTM D 4541	ICC and ANSI/EIMA 99-A-2001: 15 psi minimum	>231 psi
Tensile Bond	ASTM C 297/E 2134 (formerly EIMA 101.03)	ICC and ANSI/EIMA 99-A-2001: 15 psi minimum	>23 psi

1. Finish applied over aluminum panels, bent on cylindrical mandrels as described in ASTM D 522 Method B. Lower diameter indicates higher flexibility.
2. No cracking, checking, rusting, crazing, erosion, blistering, peeling, or delamination when viewed under 5x magnification.
3. Delta E is total colour difference, including yellowing, lightening, darkening, changes in red, blue, and green colour values. Finish exposed to 5,000 hours of QUV prior to evaluating Delta E.

Ameristone Colours		Coordinating Color Prime Colours	
011	Pearl Haze	102	Bright White
012	Stony Creek	117	Colonial Tan
013	Woodbury Pink	132	Mountain Fog
014	White Ash	132	Mountain Fog
015	River Rock	139	Adobe Accent
016	Champagne Grey	132	Mountain Fog
017	Sedona Red	347	Winter Brown
018	Emerald Isle	518	Winter Green
019	Victorian Rose	318	Brown Flair
020	Midnight Storm	618	Antique Gray

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