

Exterior and Interior Quartz Aggregate Finish

Description

Stone Mist is a natural finish that accents the environment in subtle tones and enhances any exterior or interior wall. Special aggregates pick up the natural sunlight reflecting the glitter and beauty of only the rarest of stones. Colored quartz aggregate finish is set in a 100% acrylic binder. Stone Mist is offered in ten custom designed colors.

Uses

Stone Mist is a durable finish for all Dryvit systems. It may also be applied over properly prepared substrates such as masonry, stucco, precast or cast-in-place concrete and other approved substrates. Stone Mist is also ideal for interior applications.

Coverage

Will vary, depending upon substrate, details and individual application technique. Stone Mist is shipped in 25 kg (55 lb) pails. When spray applied, coverage of 7 m² (75 ft²) per pail (includes both coats) achieves best results and overall appearance.

Properties

Drying Time - The drying time for Stone Mist is dependent upon the air temperature, relative humidity and finish thickness. Under average drying conditions [21 °C (70 °F), 55% RH], the finish will dry in 24 hours. Lower temperature and higher humidity will require that the Stone Mist finish be protected for longer periods. Protect work from rain during the drying period.

Testing Information

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

Application Procedure

Job Conditions - Air and surface temperature for application of Stone Mist must be 4 °C (40 °F) or higher and must remain so for a minimum of 24 hours.

Temporary Protection - Shall be provided at all times until Stone Mist is dry, 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 4 °C (40 °F) and must be clean, dry, structurally sound and free of efflorescence, grease, oil, form release agents and curing compounds. Interior painted surfaces must be lightly sanded before application of Dryvit Color Prime™.
- **Dryvit Reinforced Base Coat:** The base coat must be allowed to dry and cure for a minimum of 24 hours before application of Dryvit Color Prime and Stone Mist.
- **Concrete:** Shall have cured a minimum of 28 days prior to application of Color Prime and Stone Mist. 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®, Primus® DM, Genesis® or Genesis® DM mixture (see product data sheets for mixing and application). Dryvit Color Prime shall be applied to the prepared concrete surface using a roller or brush (see product data sheet for mixing and application) prior to application of the Stone Mist.
- **Masonry:** The masonry surface, with joints struck flush, shall be "skim coated" with Primus, Primus DM, Genesis or Genesis DM mixture (see product data sheets for mixing and application) to produce a smooth, level surface. Dryvit Color Prime shall be applied to the prepared surface using a roller or brush (see product data sheet for mixing and application) prior to application of the Stone Mist.
- **Stucco:** Dryvit Color Prime shall be applied over the cured brown coat using a roller or brush (see product data sheet for mixing and application) prior to application of the Stone Mist. If additives are present in the stucco, a test patch shall be made and bond strength checked prior to application.

Mixing - Mix the Stone Mist for 1 minute to ensure uniformity using a Twister paddle or equivalent mixing blade, powered by a 12.7 mm (1/2 in) drill, 400-500 rpm, just prior to application.

Application - Color-coordinated Dryvit Color Prime (*see chart below) shall be applied to all substrates a minimum of four hours prior to the application of Stone Mist. Color Prime must be fully dry before Stone Mist is applied. **Stone Mist should be applied only by a skilled mechanic experienced in the spraying and troweling of aggregate finishes.** First apply a tight coat of Stone Mist finish with a stainless steel trowel. This coat must be free of trowel lines, voids and imperfections.

Spray additional Stone Mist finish directly to the wet trowel coat to avoid bounce-back and to achieve a smooth, even finish. Spray left to right, then double back with an up-and-down motion. Allow the Stone Mist to thoroughly dry for a minimum of 24 hours under average drying conditions [21 °C (70 °F), 55% R.H.]. On interior applications, Stone Mist may be left troweled should a flatter texture be desired. Care must be taken to eliminate small trowel lines, voids and imperfections.

Sealer - Should additional Dirt Pickup Resistance be desired, a coat of Dryvit SealClear™ may be applied either by spray or roller.

Clean Up - Clean tools with water while Stone Mist is still wet.

Maintenance - All Dryvit products are designed to require minimal maintenance. However, as with all building products, depending on location, some cleaning may be required. See Dryvit Publication DS152 on cleaning and recoating.

Storage

Stone Mist must be stored at a minimum of 4 °C (40 °F) and a maximum of 38 °C (100 °F) in tightly sealed containers out of direct sunlight.

Cautions and Limitations

- Stone Mist must not be used on exposed exterior horizontal surfaces. Minimum slope is 6 in 12, which is 27°. Maximum length of slope is 305 mm (12 in).
- Stone Mist shall be applied at a minimum thickness of 1.6 mm (1/16 in) but not greater than 3.2 mm (1/8 in) per coat.
- Stone Mist shall not be used below grade when applied as the finish for an EIF System.
- Stone Mist is not intended for direct-applied, vertical applications over exterior type gypsum based sheathing board, foam plastic insulation or other type insulation board.

- Minor color deviation will occur due to 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 color 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 color. Orifice size, pressure, application thickness and the distance of the spray gun to the substrate should remain constant

in order to achieve uniform appearance.

- Stone Mist shall not be returned into any sealant joint. Instead, a coat of Color Prime or Demandit® shall be applied over the base coat in the joint.
- A site mock-up of sufficient size [2.4 x 2.4 m (8 x 8 ft)] is strongly recommended for final approval. The final finished look will not be completely uniform in color or texture, thus simulating natural stone. It is recommended that experienced plasterers familiar with ultra-smooth or interior slick finishes be used for application.

Technical and Field Services
Available on request.

| Stone Mist Colors | | Coordinating Color Prime Colors | |
|-------------------|----------------|---------------------------------|------------------|
| 101SM | Castle Gray | 104 | Dover Sky |
| 102SM | Wedgwood Gray | 103 | Natural White |
| 103SM | Moon Glow | 127 | Newport Mist |
| 104SM | Desert | 117 | Colonial Tan |
| 105SM | Cinnamon Toast | 379B | Whisper |
| 106SM | Winter Moon | 127 | Newport Mist |
| 107SM | Stone Mountain | 114 | Mauve |
| 108SM | Morning Fog | 104 | Dover Sky |
| 109SM | Golden Sunrise | 112 | Sandlewood Beige |
| 110SM | Canyon Valley | 382 | Tamale |

| Stone Mist 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 |
| Water Vapor Transmission | ASTM E 96 Procedure B | ICC: Vapor Permeable No ANSI/EIMA Criteria | 90 Perms |
| Accelerated Weathering | ASTM G 154 Cycle 1 (QUV) | ANSI/EIMA 99-A-2001 2000 hours: No deleterious effects ¹ | 5000 hours: No deleterious effects ¹ |
| | ASTM G 155 Cycle 1 (Xenon Arc) | ICC: 2000 hours: No deleterious effects ¹ | 5000 hours: No deleterious effects ¹ |
| Mildew Resistance | ASTM D 3273 | ANSI/EIMA 99-A-2001 28 days: No growth | 28 days: No growth |
| Salt Spray Resistance | ASTM B 117 | ICC and ANSI/EIMA 99-A-2001 300 hours: No deleterious effects ¹ | 300 hours: No deleterious effects ¹ |
| Water Resistance | ASTM D 2247 | ICC and ANSI/EIMA 99-A-2001 14 days: No deleterious effects ¹ | 14 days: No deleterious effects ¹ |
| 1. No cracking, checking, rusting, crazing, erosion, blistering, peeling, or delamination when viewed under 5x magnification. | | | |

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