

STUCCOAT® ACRYLIC FINISH

DS444

A durable integrally colored textured wall finish for application over stucco, concrete and masonry

Description

StucCoat is a high quality, integrally colored, acrylic copolymer finish offered in four textures.

Uses

StucCoat is specifically designed to provide texture and color over Portland cement based plaster, cast-on-site, pre-cast concrete and concrete masonry units. It is not for use in EIFS.

Coverage

All coverages are approximate and depend-upon substrate, details and individual application technique. The finishes are shipped in five-gallon pails.

Standard: 2 sq ft per pound.

Fine: 2 sq ft per pound.

Bold: 1.8 sq ft per pound.

Lace: Varies with texture.

Texture

Standard: Can be troweled and floated to a rilled texture defined by the rolling of the larger aggregate.

Fine: Can be troweled or sprayed followed by floating to obtain uniform sand-type texture.

Bold: Can be troweled or sprayed followed by floating to obtain a larger, uniform aggregate texture without rills.

Lace: Is developed by trowel application of a uniform, smooth application over the substrate, followed by random-area trowel applications of material with or without trowel knockdown/stipple effects. This texture is not floated and produces effects similar to traditional stucco textures.

Properties

Drying Time – Drying of the finish is dependent on the air temperature, relative humidity and coating thickness. Under average drying conditions [70°F (21 °C), 55% R.H.], protect work from rain for at least 24 hours.

Water Vapor Transmission

(ASTM E 96) – The StucCoat finishes are permeable to water vapor.

Accelerated Weathering

ASTM G 26 Xenon Arc

- Weatherometer, Test Method 1, BH apparatus for 2000 hrs exposure.
- After the exposure, panels received a 10 (no effect) rating for:

Property ASTM Method

Erosion ASTM D 622-93

Cracking ASTM D 661-93

Blistering ASTM D 714

Rusting ASTM D 610

Chalking ASTM D 4214; Method B

Salt Spray Testing

ASTM B 117 for 1000 hours

exposure. After salt spray exposure, all panels received a 10 (no effects) rating for.

Property ASTM Method

Erosion ASTM D 622-93

Cracking ASTM D 661-93

Blistering ASTM D 714

Rusting ASTM D 610

Chalking ASTM D 4214; Method B

Flexibility by Mandrel Bend

(ASTM D 522 Method B, cylindrical) Results listed below:

Coating Thickness 23 °C 0 °C

1.9 mm 3 in 3 in

1.4 mm 2 in 3 in

Taber Abrasion Resistance

ASTM C 4060 Modified

- Use H-22 wheels and 500g weights.
- Cycles to failure values ranged from 3900-9500.

Application Procedure

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

Temporary Protection - Shall be provided at all times until the primer, finish and permanent flashings, sealants, etc. are completed to protect the wall from weather and other damage.

Surface Preparation

Surfaces must not be below 40 °F (4 °C) or painted and must be clean, dry, structurally sound and free of efflorescence, grease, oil, form release agents and curing compounds.

- **Stucco:** Finishes may be applied directly to the cured brown coat. If additives are present in the stucco, a test patch shall be made and bond strength checked prior to application. Color Prime-W™ may be applied to reduce wall suction.
- **Concrete:** Shall have cured a minimum of 28 days prior to application of the finishes. If 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 Primus®, Primus DM™, Genesis® or Genesis DM™ base coat. Dryvit Color Prime-W™ shall be applied to the prepared concrete surface using a roller or brush.
- **Masonry:** The masonry surface, with joints struck flush, shall be "skim coated" with Primus, Primus DM, Genesis or Genesis DM to produce a smooth, level surface.

Mixing - Thoroughly mix StucCoat finish with a Goldblatt Jiffler Mixer until a uniform workable consistency is attained.

Application - Using a stainless steel trowel, apply and level a coat of Standard or Fine to a uniform thickness. (Standard – no thicker than the largest aggregate; Fine – applied in a thickness of 3/64 in (1.2 mm) – approximately 1-1/2 times the largest aggregate.) The textures are achieved by uniform hand motion and/or type of tool used. Maintain wet edge for

uniformity of color and texture. For Bold or Lace, roughly apply an even coat of finish to a thickness slightly thicker than the largest aggregate size. Then, pull across the rough application coat using a horizontal trowel motion and develop a uniform thickness no greater than the largest aggregate of the material. Using a stainless steel trowel, install a coat of the Lace slightly thicker than 1/16 in (1.6 mm). The texture is either pulled out of this base, or the texture may be achieved by adding more Lace finish to the base coat using the same texture motions that are used with other plaster materials, such as a skip trowel finish. The thickness of any Lace finish texture shall not exceed 1/4 in (6.4 mm).

Clean Up - Clean tools with water while the finishes are still wet.

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

Storage

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

Cautions and Limitations

- Avoid applying Stuccoat Finish in direct sunlight. Always work on the shady side of the wall or protect the area with appropriate shading material.
- Finishes must not be used on exposed exterior horizontal surfaces. Minimum slope is 6 in12 which is 27°. Maximum length of slope is 12 in (305 mm).

- StucCoat finishes are not intended for direct-applied, vertical applications over exterior type gypsum based sheathing board, foam plastic insulation or other type insulation board.
- StucCoat finishes shall not be returned into any sealant joint. Instead, a coat of Dryvit Color Prime or Dryvit Demandit® Smooth should be applied over the base coat in the joint.
- Not suitable for application in an EIF system.

Technical and Field Services

Available on request.

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