



TECHNICAL DATA SHEET

STUCCOAT® ACRYLIC FINISH

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

DS444

PRODUCT DESCRIPTION



StucCoat is a high quality, integrally colored, acrylic copolymer finish offered in four textures. All textures include DPR (dirt pickup resistant) chemistry, which will keep the wall looking cleaner longer.

BASIC 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.

FEATURES & BENEFITS

FEATURE

- Multiple textures
- Acrylic copolymer
- Integrally colored
- Vapor permeable

BENEFIT

- Offers design freedom
- Flexible and cleans up with water
- No mixing of color or painting
- Will not trap moisture vapor

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 E96): The StucCoat finishes are permeable to water vapor.

| 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 |

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:

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 |

PROPERTIES

Taber Abrasion Resistance (ASTM C 4060 Modified):

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

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).

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.

Bold Plus: 1.8 sq ft per pound.

Lace Smooth: Varies with texture.

Buff: 2 sq ft per pound.

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.

Lace Smooth: Can be troweled or sprayed. Apply a coat slightly thicker than 1/16 in (1.6 mm). The texture is either pulled out of this base or achieved by adding more finish to the base layer using the same texturing motions that are used with other plaster materials, such as a skip trowel finish. The thickness of finish texture shall not exceed 1/4 in (6.4 mm).

Buff: Can be troweled and floated by roughly applying 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. The textures are achieved by uniform hand motion and/or type of tool used. Maintain wet edge for uniformity of color and texture.

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.

The shelf life is 2 years from date of manufacture when properly stored in unopened pails.

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.

CAUTIONS & 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.
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TECHNICAL AND FIELD SERVICES

Available on request.

Information contained in this product sheet conforms to the standard detail recommendations and specifications for the installation of Dryvit products as of the date of publication of this document and is presented in good faith. Dryvit assumes no liability, expressed or implied, as to the architecture, engineering or workmanship of any project. To ensure that you are using the latest, most complete information, contact Dryvit.

For more information on Dryvit or Continuous Insulation, [click here](#).

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dryvit.com | 800.556.7752



Construction Products Group

3735 Green Rd. | Beachwood, OH 44122
800.321.7906 | tremcocpg.com