



TECHNICAL DATA SHEET

DPR FINISHES

“Original” Aggregate Textured
100% Acrylic-Based Dirt Pickup
Resistance Finishes DS416

PRODUCT DESCRIPTION

Quarzputz®, Sandblast®, Freestyle®, Sandpebble®, Sandpebble® Fine and Mojave™ finishes are premixed 100% acrylic-based coatings which are offered in standard colors as well as custom colors. They provide the finishing touch that adds lasting color and texture to exterior and interior walls. These six finish textures with DPR (dirt pick-up resistant) chemistry that will remain clean longer after application.



BASIC USES

DPR finishes are durable architectural finishes providing surface color and texture for Dryvit systems. These finishes can also be applied over properly prepared substrates such as exterior masonry, stucco, precast or cast-in-place concrete and other approved substrates. The finishes are also suitable for interior applications. All finishes can be trowel applied, or spray applied with a hopper gun or pole gun-type sprayer.

FEATURES & BENEFITS

FEATURE

- DPR chemistry
- Multiple textures
- 100% acrylic
- Vapor permeable

BENEFIT

- Stays cleaner longer
 - Offers design freedom
 - Greater flexibility for crack resistance
 - Will not trap moisture vapor
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PROPERTIES

Drying Time: Drying of the finishes is dependent on the air temperature, relative humidity and finish thickness. Under average drying conditions [70 °F (21 °C), 55% R. H.], the finish will dry in 24 hours. Lower temperature and higher humidity will require that the DPR 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.

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 DPR finish 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 or exterior surfaces must be above 40 °F (4 °C) and must be clean, dry, structurally sound and free of efflorescence, grease, oil, form release agents and curing compounds.
 - **Dryvit Reinforced Base Coat:** The base coat must dry and cure for a minimum of 24 hours before application of any finish.
 - **Concrete:** Shall have cured a minimum of 28 days prior to application of the finishes. 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 finish.
 - **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.
 - **Stucco:** Shall be dry and have cured a minimum of 7 days. Dryvit Color Prime, Color Prime W™ or Primer with Sand™ shall be applied over the cured brown coat surface using a roller or brush (see product data sheet for mixing and application) prior to applying the finish. If additives are present in the stucco, a test patch shall be made and bond strength checked prior to application.
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MIXING

Some settling of the finish may occur during shipping. Thoroughly mix the finish with a "Twister" paddle or equivalent mixing blade powered by a 1/2 in (12.7 mm) drill, 450-500 rpm, until a uniform workable consistency is attained.

APPLICATION

Quarzputz or Sandblast: using a stainless-steel trowel, apply and level a coat of Quarzputz or Sandblast to a uniform thickness (Quarzputz- no thicker than the largest aggregate; Sandblast - 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.

Sandpebble or Sandpebble Fine: 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. The textures are achieved by uniform hand motion and/or type of tool used. Maintain wet edge for uniformity of color and texture.

Freestyle: using a stainless-steel trowel, apply a coat of the Freestyle slightly thicker than 1/16 in (1.6 mm). The texture is either pulled out of this base or achieved by adding more Freestyle 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 any Freestyle finish texture shall not exceed 1/4 in (6.4 mm).

Mojave: using a stainless-steel trowel, apply and level a coat of Mojave to a uniform thickness, no thicker than largest aggregate; smooth to a sandy texture.

COVERAGE

All coverages are approximate and depend upon substrates, details and individual application technique. The finishes are shipped in 70 lb (32 kg) pails.

Quarzputz: approximately 140 ft² (13 m²) per pail. WFT 57.29 mils, DFT 40.8 mils, Vol Solids 71.17%

Sandblast: approximately 150 ft² (14 m²) per pail. WFT 53.47 mils, DFT 37.2 mils, Vol Solids 69.58%

Freestyle: Must be calculated based on the texture desired. However, a coating of 1/16 in (1.6 mm) to ¼ in (6.4 mm) must be maintained. WFT will vary depending on application, 63 – 252 mils, DFT 45.4-181.8 mils, Vol Solids 72.13%

Sandpebble: approximately 130 ft² (12 m²) per pail. WFT 61.69 mils, DFT 44.9 mils, Vol Solids 72.81%

Sandpebble Fine: approximately 160 ft² (15 m²) per pail. WFT 50.13 mils, DFT 36.8 mils, Vol Solids 73.34%.

Mojave: approximately 125 ft² (12 m²) per pail. WFT 64.16 mils, DFT 46.5 mils, Vol Solids 72.43%.

AVAILABILITY

Mojave is restricted to our Oklahoma and California Dryvit plants. All other finishes are available at our plants nationwide.

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.

TEXTURE

Quarzputz, Sandblast, Sandpebble, Sandpebble Fine, Mojave, and Freestyle finishes achieve a texture which is governed by aggregate size as well as the trowel motion in finishing the wall. Quarzputz produces an open-textured pattern in a regular or random style. Sandblast produces a sand-like texture. Sandpebble produces a rough, pebbly texture, which is ideal for masking surface imperfections. Sandpebble Fine produces a fine pebble texture. Mojave can be trowelled or sprayed and has a more uniform, pebbly appearance. Freestyle allows almost any ornamental trowel texture to be achieved.

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.

CLEAN UP

Clean tools with water while the finishes are still wet.

CAUTIONS & LIMITATIONS

- Avoid applying finish in direct sunlight. Always work on the shady side of the wall or protect the area with appropriate shading material.
- Dryvit finishes must not be used on exposed exterior horizontal surfaces. Minimum slope is 6 in 12 which is 27°. Maximum length of slope is 12 in (305 mm).
- Dryvit finishes shall not be used below grade when applied as the finish for an EIF System.
- Dryvit finishes are not intended for direct-applied, vertical applications over exterior type gypsum based sheathing board, foam plastic insulation or other type insulation board.
- Dryvit finishes shall not be returned into any sealant joint. Instead, a coat of Dryvit Color Prime or Dryvit Demandit® Smooth shall be applied over the base coat that will be in contact with the sealant.

TECHNICAL AND FIELD SERVICES

Available on request.

DPR FINISH TESTING			
TEST	Test Method	CRITERIA	Results ¹
DPR FINISH TESTING			
Surface Burning Characteristics	ASTM E 84	ICC and ANSI/EIMA 99-A-2001 Flame Spread <25 Smoke Developed <450	Passed
Flexibility ²	ASTM D 522 Method B	No ICC or ANSI/EIMA Criteria	Passed: 1.5" diameter @ 73 °F
Water Vapor Transmission	ASTM E 96 Procedure B	ICC: Vapor Permeable No ANSI/EIMA Criteria	40 Perms
Accelerated Weathering	ASTM G 154 Cycle 1 (QUV)	ANSI/EIMA 99-A-2001 2000 hours: No deleterious effects ³	5000 hours: No deleterious effects ³
	ASTM G 155 Cycle 1 (XenonArc)	ICC: 2000 hours: No deleterious effects ³	2000 hours: No deleterious effects ³
Chalk Rating	ASTM D 4214 after ASTM G 154 Cycle 1	No ICC or ANSI/EIMA Criteria	Chalk rating: 9+ after 5000 hours QUV
Instrumentally Measured Color Difference ⁴ (includes yellowing)	ASTM D 2244 CIELAB, 10o Observer after ASTM G 154 Cycle 1	No ICC or ANSI/EIMA Criteria	Color change: 0.51 Delta E after 5000 QUV
Freeze-Thaw Resistance	ASTM E 2485 (formerly EIMA 101.01)	ANSI/EIMA 99-A-2001 60 cycles: No deleterious effects ³	90 cycles: No deleterious effects ³
	ASTM E 2485 ICC – ES Proc. (AC212)	ICC: 10 cycles No deleterious effects ³	10 cycles: No deleterious effects ³
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 ³	1000 hours: No deleterious effects ³
Water Resistance	ASTM D 2247	ICC and ANSI/EIMA 99-A-2001 114 days: No deleterious effects ³	42 days: No deleterious effects ³
Abrasion Resistance	ASTM D 968 Method A Falling Sand	ANSI/EIMA 99-A-2001 528 quarts (500 liters): No deleterious effects ³	1057 quarts (1000 liters): No deleterious effects ³
	ASTM D 4060 Taber Abrasion (1 kg load)	No ICC or ANSI/EIMA Criteria	1000 cycles: .83 mg mass loss
Adhesion to Concrete	ASTM D 4541	ICC and ANSI/EIMA 99-A-2001: 15 psi minimum	>200 psi
Tensile Bond	ASTM C 297/E 2134 (formerly EIMA 101.03)	ICC and ANSI/EIMA 99-A-2001: 15 psi minimum	>25 psi

DPR FINISH TESTING

1 Testing referenced is based on Quarzputz Pastel Base.

2 Finish applied over aluminum panels, bent on cylindrical mandrels as described in ASTM D 522 Method B. Lower diameter indicates higher flexibility.

3 No cracking, checking, rusting, crazing, erosion, blistering, peeling, or delamination when viewed under 5x magnification.

4 Delta E is total color difference, including yellowing, lightening, darkening, changes in red, blue, and green color values. Finish exposed to 5,000 hours of QUV prior to evaluating Delta E.

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.

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