

HDP™ Water-Repellent Paint

Exterior Acrylic Paint with Hydrophobic Properties

DS832

Description

HDP Water-Repellent Paint is 100% acrylic, has excellent water repellent properties and is available in standard colors as well as custom colors. HDP Water-Repellent Paint is formulated to resist mold and mildew growth (PMR) and is hydrophobic, resulting in less dirt pick up and a cleaner wall appearance.

Uses

HDP Water-Repellent Paint is used to paint acrylic based textured finishes, masonry, stucco, wood, or primed metal.

Coverage

HDP Water-Repellent Paint is supplied in one 5 gallon (19 L) pail. Coverage will vary depending upon substrate, surface texture, environmental conditions and application technique. The coverage of the first coat on textured surfaces can vary from 350-800 ft² (33-74 m²) per pail depending upon conditions. The coverage of the second coat on textured surfaces can vary between 450-1000 ft² (42-93 m²) per pail because the surface becomes more sealed and smoother. For best uniformity of appearance two coats are recommended. Coverage for two coats of HDP Water-Repellent Paint can vary from 200 - 450 ft² (19-42 m²) per pail depending upon surface being coated. Coverage will be higher on smooth, primed surfaces. A test section is recommended to determine a more accurate coverage rate.

Properties

Drying Time – Drying time of HDP Water-Repellent Paint is dependent on the air temperature and relative humidity. At 70 °F (21 °C), 55% R.H., HDP Water-Repellent Paint is dry to the touch in 1/2 hour and dry to handle or recoat in 2 hours. Always protect work from rain for at least 24 hours.

Beading Effect – The beading effect occurs after approximately 30 days of weathering. This effect is more easily seen on finer finishes.

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 HDP Water-Repellent Paint must be 45 °F (7 °C) or higher and must remain so for at least 12 hours.

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Surface Preparation - Surfaces shall be clean, dry, above 45 °F (7 °C) and free of efflorescence, grease, oil, form release agents and curing compounds. On previously painted surfaces, all loose paint and gloss must be removed by sanding.

Metal Surfaces: Must be primed with a corrosion resistant primer.

Dryvit Finishes: Freshly applied finishes must dry a minimum of 24 hrs under average drying conditions. Existing Dryvit finishes should be cleaned prior to painting. See DS152 for recommended procedures.

Concrete and Masonry: Shall have cured a minimum of 28 days prior to application of HDP Water-Repellent Paint. 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, joints struck flush, and small voids filled with Genesis® DM™ base coat (DS452). Dryvit Color Prime™ (DS410) shall be applied over the prepared surface prior to applying the HDP Water-Repellent Paint.



Stucco: Dryvit Color Prime shall be applied over the texture coat prior to applying the HDP Water-Repellent Paint. If additives are present in the stucco, a test patch shall be made and bond strength checked prior to application.

Mixing: – Stir HDP Water-Repellent Paint to a smooth, homogeneous consistency. Avoid introducing air into the product.

Application: – Application should be performed by an experienced, professional contractor who has experience painting masonry or EIFS. HDP Water-Repellent Paint may be applied by brush, roller or airless spray equipment. When applying by roller, an 18 in (457 mm) wide roller frame with 2 1/4 in (57 mm) inside diameter, and a maximum 3/4 in (19 mm) nap is recommended. Apply HDP Water-Repellent Paint in one continuous coat, maintaining a wet edge as the application proceeds to a natural break. For 'cutting in', a 4 in (102 mm) wide roller is recommended, and HDP Water-Repellent Paint may be thinned with a small amount of water to prevent excessive build-up.

Application Tips: Surface texture, temperature, and porosity will affect the rate at which any paint dries, and color variation may occur if such conditions are not uniform. For this reason, two coats are always recommended to achieve maximum uniformity. It may be helpful to lightly mist (surface should NOT be dripping wet or fully saturated, however) the wall in hot, dry weather in order to slow the drying rate of the HDP Water-Repellent Paint.

Clean Up – Clean tools with water while HDP Water-Repellent Paint 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: – HDP Water-Repellent Paint must be stored at 45 °F (7 °C) or above in tightly sealed containers out of direct sunlight.

Cautions and Limitations: – Do not use as a finish coat directly over any Dryvit Outsulation® or Cement Board MD System® base coat.

Technical and Field Services
Available on request.

Testing:

HDP Water-Repellent Paint Testing			
Test	Test Method	Criteria	Results
Mildew Resistance	ASTM D 3273	No growth during 28 day exposure period	>28 days: No growth
Accelerated Weathering	ASTM G 155 Cycle 1 Xenon Arc	2000 hours: No deleterious effects ¹	No deleterious effects after 2000 hours
Water Vapor Transmission	ASTM E 96 Procedure B	Vapor Permeable	46 Perms
Tensile Strength	ASTM D 412-06	N/A	415 psi
Adhesion to Concrete	ASTM D 4541	N/A	305 psi
VOC (g/l)			<100 g/l

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

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