

100% Acrylic Coating Providing a Pearlescent Appearance

Description

Reflectit is a 100% acrylic coating for use over Dryvit finishes, Dryvit Ultrafil™, and other approved substrates, and provides a glossy, pearlescent appearance.

Uses

Reflectit may be applied to interior and exterior approved substrates. Due to the variety of finish and application options possible, a local Dryvit representative should be consulted during the specification phase of the project to assist in developing an application technique that will meet the desired aesthetic expectations for the project. A mock-up shall be prepared by the applicator that will be applying the materials on the project and shall be prepared by the owner/architect prior to application on the project.

Reflectit can be applied over a new or existing Dryvit finish. (Specialty finishes such as Ameristone™, TerraNeo®, and Stone Mist® are excluded.)

New Construction: Newly - applied finishes must dry for a minimum of 24 hours under average conditions. The Dryvit finish color shall be color coordinated to the desired Reflectit. Dryvit Color Prime™ is not needed for application over new Dryvit finish. **Existing Weathered Finish:** Existing Dryvit finishes shall be cleaned in accordance with Dryvit publication DS152, Cleaning and Recoating, before applying color-coordinated Color Prime.

Colors

Twelve standard colors of Reflectit and Color Prime are available as listed below:

Color Number	Color
250	Teal Magnolia
251	Starry Night
252	Hammered Copper
253	Cleopatra
254	Sierra Rose
255	Tin Man
256	Mediterranean
257	Champagne
258	Barney
259	Maize
260	Caribbean
261	Chili Pepper

Custom colors of Reflectit are possible and require a three (3) week lead time.

Coverage

Roller Application: Approximately 49 m² (527 ft²) for two coats per 18 kg (40 lb) pail.

Spray Application: Approximately 84 m² (904 ft²) over a smooth surface per 18 kg (40 lb) pail.

Coverage will vary depending on the surface texture and porosity of the substrate.

Properties

Drying Time – Drying of Reflectit is dependent on the air temperature and relative humidity. Under average drying conditions [21 °C (70 °F), 55% R.H.], Reflectit will dry to the touch in 1/2 hour and be ready to recoat in 4-6 hours. When used as a coating in panel applications, do not handle panels for minimum 4-6 hours. Protect work from rain for at least 24 hours.

Testing Information

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

Application Procedure

Job Conditions – Air and surface temperature for application of Reflectit must be 7 °C (45 °F) or higher and must remain so for at least 12 hours after application.

Temporary Protection – Shall be provided at all times until the Reflectit coating 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 to be coated must be above 7 °C (45 °F) and shall be free of dust, dirt, efflorescence, grease, oil, or other materials that may hinder adhesion.

Mixing – Gently mix, stir, or box Reflectit to a smooth, homogeneous consistency. Avoid introducing air into the coating. If mechanically mixing, use a Wind-lock M1 mixing paddle or equivalent powered at a low speed using a variable speed

drill. For spray application only, water may be added to the product (max 0.95 L (32 oz)). Once mixed, the viscosity should be checked with a flow cup prior to applying as described in Reflectit Application Instructions DS124. To ensure color consistency, pails should be "boxed" when more than one batch of material will be used.

Application – Reflectit may be applied using a spray gun, roller or brush.

Spray application is the recommended application method over Ultrafil and finely textured finishes, such as Sandpebble® Fine and finer, in order to avoid visible roller marks. A Binks 2001 stainless steel spray gun is recommended for the spray application of Reflectit.

Follow closely the Ultrafil data sheet DS483 and Reflectit Spray Application Instructions DS124 for a system to replicate smooth glossy panels. Do not roller apply Reflectit over Ultrafil as this can result in visible roller and lap marks.

Roller application is only effective on more highly textured finishes, such as Sandblast® and coarser. When applying by roller, two coats are required to achieve optimum performance. A maximum 25 mm (1 in) nap polyester or polyester blend with nylon or lambs wool and with beveled ends and a phenolic core is recommended. A 460 mm (18 in) wide roller frame with 57 mm (2 1/4 in) inside diameter is also recommended. Plan the work ahead to make sure that proper staging is provided to maintain a wet edge. Apply Reflectit in one continuous coat, maintaining a wet edge as the application proceeds to a natural break. The roller cover must be kept fully loaded as the application proceeds. Do not stretch out the application by rolling with a dry roller. The last leveling roller strokes should always be in the same direction to minimize lap marks and avoid directionality of the reflective pigments. Do not cut in around openings prior to overall application, but rather, do the cut in work as the application proceeds. A 100 mm (4 in) wide roller is recommended for

cutting in. Where cutting in, the Reflectit may be thinned down with water to prevent excessive build-up. Brush application is **only** recommended on very small areas when use of roller or spray gun is not practical. It is recommended that either aesthetic or expansion joints be located so as to create panel sizes of no more than 1.5 m x 1.5 m (5 ft x 5 ft) and that a Dryvit Field Services Manager work closely with the architect and contractor to prepare a mock-up for approval prior to final specification.

Spray Equipment

- Binks 2001 stainless steel spray gun with dual regulation (air and fluid) pressure tank
- Fluid nozzle 66SS
- Air nozzle 66SD

Roller Equipment

- Good quality nap roller designed for latex finishes
- Nap size up to 25 mm (1 in)

Brush

Use a good quality 100% nylon bristle brush.

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

- Minimize exposure of Reflectit to temperatures over 32 °C (90 °F). Coatings exposed to temperatures over 43 °C (110 °F) for even short periods may exhibit skinning, increase viscosity, and should be inspected prior to use.

Cautions and Limitations

- Do not use Reflectit as a finish coat directly over reinforced base coat, concrete, masonry or stucco, unless approved in writing by Dryvit Systems, Inc.
- Reflectit must not be used on exposed exterior horizontal surfaces. Minimum slope is 6 in 12 (27°). Maximum length of slope is 305 mm (12 in).
- Reflectit shall not be used below grade.
- Reflectit shall not be returned into sealant joints or other areas that will be in direct contact with sealant. Instead, a coat of Color Prime or Demandit® shall be applied over the base coat that will be in contact with the sealant. If it

is necessary to apply sealant directly to Reflectit, contact the sealant manufacturer for specific recommendations.

- High gloss coatings will accentuate any imperfections in the underlying surface. Therefore, it is important that the underlying reinforced base coat and finish be applied in a manner that will minimize textural imperfections that may result in undesirable aesthetic results. It is required to apply base coat using the two pass method as described in Dryvit System Application Instructions.
- A site mock-up of sufficient size is strongly recommended.
- When placing order, consider ordering enough Reflectit to complete the project to avoid variations from batch to batch.
- Special colors require a three (3) week lead time.
- Contact Dryvit Field Service Manager for proper application instruction.

Technical and Field Service

Available on request.

Reflectit Coating Testing			
Test	Test Method	Criteria	Results
Freeze/Thaw Resistance	ASTM E 2485 (formerly EIMA Method 101.01)	60 cycles: No deleterious effects ¹	Passed 60 cycles
Accelerated Weathering	ASTM G 154	2000 hours: No deleterious effects ¹	3250 hours: No deleterious effects ¹
Exterior Exposure	Test Fence @ 60° angle – Southern Exposure	No deleterious effects ¹	45 months: No deleterious effects ¹

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

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