

Demandit® Smooth/Demandit® Sanded

Exterior/Interior Acrylic PMR Architectural Coatings

DS400

Description

Demandit Smooth and Demandit Sanded are 100% acrylic coatings, which are offered in a variety of standard and custom colors. Demandit Smooth and Sanded contain the most effective ingredients available to help resist mold and mildew growth (PMR).

Uses

Demandit Smooth and Sanded are durable coatings, which may be used to change the color of an existing Dryvit or other acrylic textured finish. They can also be used to protect and decorate concrete, masonry, stucco, wood and primed metal.

Coverage

Demandit Smooth and Sanded are supplied in a 5 gallon (19 L) pail. Coverage will vary depending upon substrate, surface texture, environmental conditions and application technique.

Coverage for Demandit Smooth

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. The resulting coverage for two coats of Demandit Smooth is 210-480 ft² (20-45 m²) per pail.

Coverage for Demandit Sanded

The first coat on textured surfaces can vary from 300-500 ft² (28-46 m²) per pail depending upon conditions. The coverage of the second coat on textured surfaces can vary between 400-600 ft² (37-56 m²) per pail. The resulting coverage for two coats of Demandit Sanded is 200-290 ft² (19-27 m²) per pail because the surface becomes more sealed and smoother.

For best uniformity of appearance, two coats of either Demandit Smooth or Demandit Sanded are recommended. 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 Demandit Smooth and Sanded is dependent on the air temperature and relative humidity. Under average drying conditions [70 °F (21 °C), 55% R.H.], Demandit Smooth and Sanded are dry to the touch in 1/2 hour and ready to recoat in 2 hours. Protect work from rain for at least 24 hours.

Water Vapor Transmission

(ASTM E 96) - The Dryvit finishes are permeable to water vapor.

Accelerated Weathering

(ASTM G 155) - 5000 hours. No deleterious effects.

Mildew Resistance (ASTM D 3273) - Passes.

Application Procedure

Job Conditions - Air and surface temperature for application of Demandit Smooth and Sanded must be 45 °F (7 °C) or higher and must remain so for at least 12 hours.

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, peeling and chalking paint must be removed and all gloss must be removed by sanding. Clean substrate with household detergent. Flush wall thoroughly with clean water. Prime porous surfaces with one coat Dryvit Color Prime™. Concrete block shall be coated with a suitable block filler.

- **Metal Surfaces:** Must be primed with a corrosion resistant primer.
- **Dryvit Finishes:** Freshly applied finishes must dry a minimum of 24 hours under average drying conditions. Existing Dryvit finishes should be cleaned prior to painting. See Dryvit publication, DS152 for recommended procedures.
- **Concrete:** Shall have cured a minimum of 28 days. Apply Color Prime and allow to dry prior to application of Demandit Smooth and Sanded. 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, or Genesis® mixture.

- **Masonry:** The masonry surface, with joints struck flush, shall be "skim coated" with Primus, Primus DM, Genesis, or Genesis DM mixture to produce a smooth, level surface.
- **Stucco:** Apply Color Prime and allow to dry prior to application of Demandit Smooth and Sanded shall be applied to the textured coat. If additives are present in the stucco, a test patch shall be made and bond strength checked prior to application.

Mixing

Demandit Smooth: Stir to a smooth, homogeneous consistency. Avoid introducing air into the coating.

Demandit Sanded: Thoroughly mix with a Goldblatt Jiffler Mixer until a uniform workable consistency is attained.

Application – Demandit Smooth and Sanded may be applied by brush, roller, or spray equipment. When applying by roller, a maximum 1/2 in (12.7 mm) – 3/4 in (19 mm) nap rollers with polyester or polyester blend with nylon or lambswool and with beveled ends and a phenolic core are recommended. For larger walls an 18 in (460 mm) wide roller frame with 2 1/4 in (57 mm) inside diameter is also recommended. Plan the work ahead to make sure that proper

staging is provided to maintain a wet edge. Apply in a 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. Do not cut in around openings prior to overall application, but rather, do the cut-in work as the application proceeds. A 4 in (100 mm) wide roller is recommended for cutting in. Where cutting in, the Demandit Smooth and Sanded may be thinned down with a small amount of water to prevent excessive build-up.

Application Tips: Application should always be done by an experienced, professional industrial or commercial painting contractor who has a successful track record of coating masonry or EIFS. Lightly misting a surface with water ahead of an application to cool it down can help when application must be done under adverse conditions. Any water on the surface of the substrate should be allowed to flash off before applying Demandit Smooth or Sanded. It is always recommended to apply 2 coats to achieve a uniform appearance and minimize roller marks, especially over porous substrates. Drying conditions will affect final appearance, therefore, always apply Demandit Smooth or Sanded to a natural break.

Clean Up - Clean tools with water while Demandit Smooth and Sanded are still wet.

Storage – Demandit Smooth must be stored at a minimum of 45 °F (7 °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 Demandit Smooth or Sanded in direct sunlight. Always work on the shady side of the wall or protect the area with appropriate shading material.
- Do not use as a finish coat directly over any Dryvit Outsulation® System base coat.

Technical and Field Services

Available upon request.

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