

TIBUR STONE™ DPR FINISH

DS874

A 100% Acrylic-Based Finish with the Appearance of Travertine Stone

Description

Tibur Stone finish is a premixed 100% acrylic-based architectural finish which is offered in 12 standard colors. Tibur Stone finish is designed to provide an extremely smooth surface with the appearance of travertine stone. Tibur Stone finish includes DPR (Dirt Pick-up Resistant) chemistry, resulting in the finish remaining cleaner, longer.

Uses

Tibur Stone finish is designed to be applied over substrates including Dryvit Outsulation systems, reinforced base coat, TAFS, and properly prepared masonry, stucco, precast or cast-in-place concrete as well as other approved substrates. Tibur Stone is trowel-applied by experienced plastering mechanics, and can be used for exterior applications as well as over properly prepared interior substrates.

Coverage

Apply two coats of Tibur Stone, resulting in a total dry film thickness of 36 mils (DFT). Each pail contains 55 lbs (25 kg) of product; applying the product in two coats on a flat, non-absorbent substrate to 36 mils DFT will result in a coverage rate of 105 sq ft (9.8 m²) per pail. Substrate smoothness and porosity may affect the actual coverage rate.

Texture

Tibur Stone is designed to provide a smooth finish when applied over a properly prepared surface. Final appearance will vary depending on the substrate condition, technique and skill of the installer.

Properties

Drying Time - Drying of the Tibur Stone finish 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 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.

Application

Job Conditions - Air and surface temperature for application of finishes must be between 40 °F (4 °C) and 100 °F (38 °C) and must remain so for a minimum of 24 hours.

Temporary Protection - Shall be provided at all times until the Tibur Stone finish is dry, and installation of permanent flashings, sealants, etc. are completed to protect the wall from inclement weather and other sources of damage.

Mock-Up – Prior to application of Tibur Stone finish on the project, a mock-up shall be prepared by the applicator and approved by the architect/owner. The mock-up should be used as the basis for acceptance of the final application. The mock-up shall be of sufficient size to properly demonstrate the proper application and aesthetics of the finish. Minimum 8 ft x 8 ft (2.4 m x 2.4 m) is recommended.

Surface Preparation

- Surfaces must be very smooth, planar and free of imperfections to ensure satisfactory appearance.
- Surfaces must be clean, dry, structurally sound and free of efflorescence, grease, oil, form release agents and curing compounds.
- To minimize visible trowel marks, it is recommended that areas coated with Tibur Stone finish be separated with joints not exceeding 5 ft (1.5 m) in any direction.

Dryvit Reinforced Base Coat:

The base coat must be dry and cured for a minimum of 24 hours before application of the finish. The double pass application method is required to minimize

imperfections. The reinforcing mesh shall be completely embedded in base coat with no mesh pattern visible.

- **Concrete:** Shall have cured a minimum of 28 days prior to application of Tibur Stone finish. All projections shall be removed and small voids or imperfections filled with Dryvit Primus®, Primus® DM, Genesis® or - Genesis® DM mixture (see product data sheets for mixing and application). For best results, a skim coat of Dryvit Primus, Primus DM, Genesis or Genesis DM mixture is recommended to achieve as smooth and flat a surface as possible. 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.
- **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, free of imperfections.
- **Stucco:** Shall be floated to a smooth fine sand finish. If additives are present in the stucco, a test patch shall be made and bond strength checked prior to primer application. For best results, a skim coat of Dryvit Primus, Primus DM, Genesis or Genesis DM mixture is recommended to achieve as smooth and flat a surface as possible.
- **Interior Wallboard:** Interior wallboard surfaces shall be finished to a Level 4 finish in accordance with ASTM C840.

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

Ensure that the surface is smooth, planar and free of any imperfections that would interfere with a smooth finish application. Correct any suspect areas prior to application of primer and Tibur Stone finish.

- Apply a coat of color coordinated Color Prime™ or Primer with Sand™ and allow to dry.
- Apply the first coat of Tibur Stone finish with a stainless steel trowel, pulling it tight to the primed surface. Apply a uniform coat sufficient to completely cover the primer, forming an opaque finish on the wall. Allow to dry a minimum of 4 hours before proceeding.
- Apply a second coat of Tibur Stone finish using short, random strokes for complete uniform coverage of the first coat to match the approved sample.
- Allow the finish to dry for approximately 10 – 20 minutes (depending on weather), then smooth it using a stainless steel trowel to densify the surface and remove loose material and blade marks.
- Protect the finish until dry.

Clean Up - Clean tools with water while the finish 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

Tibur Stone finish shall be at a minimum of 40 °F (4 °C) and a maximum of 100 °F (38 °C) stored in tightly sealed containers, protected from weather and out of direct sunlight

Cautions and Limitations

- Avoid applying finish in direct sunlight. Always work on the shady side of the wall or protect the area with appropriate shading material.
- Tibur Stone finish must not be used on exposed exterior horizontal surfaces. Minimum slope is 1:2 (27°). Maximum length of slope shall not exceed 12 in (305 mm).
- Tibur Stone finish shall not be used below grade when applied as the finish for an Outsulation system.

- Tibur Stone finish is not designed for direct application over vertical exterior gypsum based sheathing or insulation boards. Tibur Stone finish 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® Smooth shall be applied over the base coat that will be in contact with the sealant.
- Smooth finishes will accentuate any imperfections of the underlying surface. Therefore, it is important that the underlying surface be prepared in a manner that will minimize textural imperfections that may result in undesirable aesthetic results. For applications over Dryvit Outsulation systems, the base coat shall be applied using the two pass method as described in Dryvit System Application Instructions.

Technical and Field Services

Available on request.

Tibur Stone Colors		Color Coordinated Color Prime or Primer with Sand	
850	Orvieto	310	China White
851	Mahalo	102	Brite White
852	Tristan	103	Natural White
853	Sidewalk	104	Dover Sky
854	Silk Road	455	Pearl
855	Waikki Sand	456	Oyster Shell
856	Canary Island	109	Eggshell Cream
857	Lanai	117	Colonial Tan
858	Fiji	379	Whisper
859	Oahu	385	Sandpiper
860	Cayman	115	Beach
861	San Andreas	383	Honey Twist

Tibur Stone DPR Finish Testing			
Test	Test Method	Criteria	Results ¹
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 (Xenon Arc)	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, 10° Observer after ASTM G 154 Cycle 1	No ICC or ANSI/EIMA Criteria	Color change: 0.51 Delta E after 5000 hours 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 effect 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 14 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

1. Testing referenced is based on standard Dryvit finishes.
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.

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