

100% Acrylic-Based Finish with Large Mica Chips and Multi-Colored Quartz Aggregates

Description

TerraNeo finishes (loosely translated as “New Earth”) offer architects, designers and building owners a natural aggregate finish that establishes an innovative and exciting surface with distinctive features. TerraNeo finishes offer high-performance attributes that ensure a long-lasting, radiant finish certain to enhance a building’s stature.

Benefits

TerraNeo is ready mixed and has excellent color retention. It is vapor permeable and is resistant to dirt pickup, mildew growth and UV degradation.

Uses

TerraNeo is recommended for use with any of Dryvit’s exterior insulation systems, as well as over cement plaster, tilt-up panels, cement board or precast structures. TerraNeo finishes also make an outstanding impression on interior walls of all kinds.

Coverage

The recommended coverage is 8.8-9.3 m² (95-100 ft²) per 19 L (5 gal) pail at a recommended thickness of 3 mm (1/16 in). Coverage will vary depending upon the texture and appearance desired.

Properties

Drying Time - The drying time of TerraNeo is dependent upon the air temperature and relative humidity. Under average drying conditions 21 °C (70 °F), 55% R.H., protect work from rain for at least 48 hours.

Water Vapor Transmission (ASTM E 96) - TerraNeo is permeable to moisture vapor.

Moisture Resistance (ASTM D 2247) 14-day exposure. No deleterious effects.

Salt Spray Resistance (ASTM B 117) - 500 hours. No deleterious effects.

Accelerated Weathering (ASTM G 155) - 3000 hours. No deleterious effects.

Wet-Scrub Resistance

(ASTM D 4213-83) – Passes 2,000 scrub cycles.

Mildew Resistance (ASTM D 3273) - Passes.

Flame Spread (ASTM E 84) - 25, Class 1.

Application Procedure

Job Conditions - Air and surface temperature for application of TerraNeo must be 10 °C (50 °F) or higher and must remain so for a minimum of 48 hours.

Temporary Protection - Shall be provided at all times until base coat, finish and permanent flashings, sealants, etc. are completed to protect the wall from weather and other damage.

Surface Preparation - Surface must be smooth and free of imperfections to ensure satisfactory appearance. Interior and exterior surfaces must be above 10 °C (50 °F) and must be clean, dry, structurally sound and free of efflorescence, grease, loose paint, oil, form release agents and curing compounds. Interior painted surfaces must be lightly sanded before application of Color Prime™. Dryvit Reinforced Base Coat: The base coat must cure a minimum of 24 hours before application of Color Prime and TerraNeo.

Concrete: The concrete shall have fully cured prior to application of Color Prime and TerraNeo. 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 Genesis® or Genesis® DM base coat.

Masonry: The masonry surface, with joints struck flush, shall be "skim coated" with Genesis or Genesis DM base coat to produce a smooth, level surface.

Stucco: Color Prime and TerraNeo shall be applied over the cured brown coat. If additives are present in the stucco, a test patch shall be made and bond strength checked prior to application.



Mixing – Just prior to application, mix the TerraNeo for 1 minute to ensure uniformity using a Demand Twister or Windlock B-MEW, B-M1 or B-M9 mixing paddle driven by a high-torque 12 mm (1/2 in) drill, at 400-500 RPM. **DO NOT OVERMIX.** The TerraNeo will usually trowel apply well enough after being mixed **without the addition of water.** If the material will not spread easily after mixing, water can be added in small increments. The same amount of water must be added to all pails of a given batch. Do not exceed 6 ounces per pail. **A Dryvit Field Service Manager should be contacted if a given batch of TerraNeo needs more than 6 ounces per pail of water to spread properly.**

Application - Color-coordinated Color Prime shall be applied to all substrates a minimum of four hours prior to application of TerraNeo (*see chart). Color Prime must be fully dry before TerraNeo is applied. Trowel apply an even layer onto the primed base coat, approximately 1.6 mm (1/16 in) to 3 mm (1/8 in) thick. With a clean plastic float, lightly float the surface of the TerraNeo finish using a tight figure 8 pattern. Float over the finish lightly several times, cleaning the float frequently in the process. This will bring to the surface the large mica and enhance the granite appearance. Allow the TerraNeo to thoroughly dry for a minimum of 48 hours under average drying conditions [21 °C (70 °F), 55% R.H.]. Do not apply TerraNeo on surfaces that will receive sealant. Those surfaces shall be coated with color-coordinated Color Prime.

Clean Up - Clean tools with water while TerraNeo is still wet.

Maintenance - All Dryvit products are designed to require low maintenance. However, as with all building products, depending on location, some cleaning may be required. See Dryvit publication DS152 on cleaning and recoating.

Storage

TerraNeo must be stored at 10 °C (50 °F) or above in tightly sealed containers out of direct sunlight.

Cautions and Limitations

- TerraNeo must not be used on exposed exterior horizontal surfaces. Minimum slope is 150 mm (6 in) in 50 mm (12 in), which is 27°. Maximum length of slope is 350 mm (12 in).
- TerraNeo shall not be used below grade.
- Minor color deviation will occur due to the natural aggregate and variations in raw materials. To achieve the best color results, material from the same batch number should be applied to a

specific wall section. Therefore, check batch numbers before applying materials.

- A minimum 2.4 m x 2.4 m (8 ft x 8 ft) area of actual project or mock-up wall shall be coated by the applicator/contractor with the TerraNeo finish to establish acceptance by the owner, architect or project manager.
- TerraNeo must never be used alone on exterior applications over any type of gypsum board, foam plastic insulation or other type insulation board.

TerraNeo Colors		Coordinating Color Prime Colors	
200	Gibraltar	618	Antique Gray
201	Zanzibar	327	Mocha
202	Serengeti	117	Colonial Tan
203	Sonora	347	Winter Brown
204	Amazon	527	Brushed Gray
205	Andes	306	Swiss Mocha
206	Vesuvius	634	Granite Gray
207	Gacier	132	Mountain Fog
208	Teton	318	Brown Flair
209	Everest	104	Dover Sky

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