

DESCRIPTION

- An interior or exterior, high solids, one part water based acrylic coating, designed to reproduce the look of flame cut granite.
- Designed to deliver high performance results at a moderate price.
- Applies directly to most common substrates. Class "A" non-combustible, breathable, non-toxic, low VOC.
- Exceptional performance against mold and mildew growth.
- Use in lieu of stone veneers. Comprised of natural aggregates and mica, no pigment.

BENEFITS

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

- Very durable.
- Interior: High abrasion and impact resistance.
- Exterior: Provides a decorative veneer over concrete or masonry substrates.

5-YEAR WRITTEN

PERFORMANCE WARRANTY

Against peeling, delaminating, cracking and chalking.

5-YEAR WRITTEN SURFACE MOLD/MILDEW WARRANTY

- High perm rate (45) to achieve breathability.
- Engineered formulation which virtually eliminates food sources for organisms combined with a long term mildewcide that provides excellent performance.
- Full details available by contacting Triarch.

SCRUBBABLE

- Not damaged by water.
- Most marks and scuffs removed after 7 – 10 days of curing, using a stiff scrub brush with liquid soap and water.

DESIGN OPTIONS

- Ten (10) standard color combinations along with textural effect/patterns and almost unlimited integral colors, both monochromatic and multi-color finishes.
- Call TRIARCH for samples or a design binder.

DELIVERY TIME

Standard colors available within 1 week.

FACTORY TRAINED APPLICATORS*

- Factory trained applicators available nationally and internationally.
- We offer training programs to help insure quality control and minimize installation time.

COST

- Most projects install from \$4.00 - \$7.00 per square foot.
- Actual job conditions, volume, wall elevations and local labor may affect installed prices.

PRODUCT DATA

SPECIFICATIONS

- Water based acrylic
- Integral & Colorfast Pigments
- ASTM D 4213-83 Scrub Cycles: passes
- ASTM E-84, Flame spread < 25, = Class 1
- ASTM D 3273 Mildew resistance: passes

- ASTM G155 Accelerated weathering: after 3000 hours no deleterious effects
- ASTM D 2247 Moisture Resistance: after 14 days: no deleterious effects
- ASTM E-96, English Wet Perms = 45
- Final dry film thickness of 1/16-1/8 inch

SHIPPING AND STORAGE

- Shipped in 5 gallon plastic pails
- Protect from freezing
- Protect from heat over 100°F.
- Stack to maximum of three (3) pails high
- Two (2) year shelf life

COVERAGE

The recommended coverage is 95-100 ft² (8.8-9.3 m²) per 65 lb pail (19 L) at a recommended thickness of 1.6-3.2 mm (1/16-1/8 in). Coverage will vary depending upon the texture and appearance desired. Granyte is shipped in a 5 gallon pail.

PROPERTIES

DRYING TIME - The drying time of Granyte is dependent upon the air temperature, relative humidity and finish thickness. Under average drying conditions of 70 °F, [21 °C, 55% R.H.], the finish will dry in 48 hours. Lower temperatures and higher humidity will require that the Granyte 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 PROCEDURE

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

TEMPORARY PROTECTION -

Shall be provided at all times until, Granyte is dry. If an exterior application, continue to protect until permanent flashings, sealants, etc. are completed to protect the wall from inclement weather and other sources of weather damage.

SURFACE PREPARATION

- Surface must be smooth and free of imperfections to ensure satisfactory appearance.
- Interior and exterior surfaces must be above 50 °F (10 °C) 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 Triarch's Granyte Special Primer™.
- **Drywall:** (interior only) Drywall shall be at a level 3 or higher. Apply Granyte Special Primer followed by Granyte finish per application instructions.
- **Concrete:** Shall have cured a minimum of 28 days prior to application of Triarch's Special Granyte Primer and Granyte. 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 Triarch's SKIMM™ or REFORMIT™ (see product data sheets for mixing and application). Triarch's

Special Granyte Primer shall be applied to the prepared concrete surface using a roller or brush (see product data sheet for mixing and application) prior to application of Granyte.

- **Masonry:** The masonry surface, with joints struck flush, shall be "skim coated" with Triarch's SKIMM™ or REFORMIT™ (see product data sheets for mixing and application) to produce a smooth, level surface. Triarch's Special Granyte Primer shall be applied to the prepared masonry surface using a roller or brush (see product data sheet for mixing and application) prior to application of Granyte.
- **Stucco:** Triarch's Special Granyte Primer shall be applied over the cured brown coat using a roller or brush (see product data sheet for mixing and application). 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 Granyte for 1 minute to ensure uniformity using a Twister paddle or equivalent mixing blade, powered by a high-torque 12.7 mm (1/2 in) drill, at 400-500 rpm. **DO NOT OVERMIX.** The Granyte will usually trowel apply well enough after being mixed **without the addition of water.** If necessary, additional water can be added in small increments. The same amount of water must be added to all pails of a given batch. Do not add more than 6 ounces of water per pail. **Contact a Triarch Field Service Manager if a given batch of Granyte needs more than 6 ounces of water per pail to spread properly.**

Application - Color-coordinated Triarch's Special Granyte Primer (*see chart below) shall be applied to all substrates a minimum of four hours prior to application of Granyte. Triarch's Special Granyte Primer must be fully dry before Granyte is applied. Trowel apply an even layer onto the primed base coat, approximately 1.6-3.2 mm (1/16-1/8 in) thick. With a clean plastic float, lightly float the surface of the Granyte finish using a tight figure 8 pattern. Float over the finish lightly several times, cleaning the float frequently in the process. This will bring the large mica to the surface and enhance the granite appearance. Allow the Granyte to thoroughly dry for a minimum of 48 hours under average drying conditions [21 °C (70 °F), 55% R.H.]. Do not apply Granyte on surfaces that will receive sealant. Those surfaces shall be coated with Triarch's Special Granyte Primer.

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

Maintenance - All Triarch products are designed to require minimal maintenance. However, as with all building products, depending on location, some cleaning may be required. See Triarch publication on cleaning and optional clear sealer.

Storage

Granyte must be stored at a minimum of 10 °C (50 °F) and a maximum of 38 °C (100 °F) in tightly sealed containers out of direct sunlight.

Cautions and Limitations

- Granyte must not be used on exposed exterior horizontal surfaces. Minimum slope is 6 in 12, which is 27°. Maximum length of slope is 305 mm (12 in).

Granyte

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- Granyte shall not be used below grade.
- Granyte is not intended for direct-applied, exterior vertical applications over exterior gypsum based sheathing board, foam plastic insulation or other type insulation board.
- 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.

- Similar to natural stone, some lot variations within certain colors will exist. It is recommended to order necessary quantity at one time.
- Granyte shall not be returned into any sealant joint. Instead, a coat of Triarch's Special Granyte Primer shall be applied over the base coat in the joint.

- A site mock-up of sufficient size [2.4 x 2.4 m (8 x 8 ft)] shall be coated by the applicator/contractor with the Granyte finish to establish acceptance by the owner, architect or project manager.

Technical and Field Services
Available on request.

Granyte Colors		Coordinating Granyte Special Primer	
150	Ocean Granite	325	Pinstripe
151	Viscount White	365	Cable
152	Zimbabwe	2002	Storm Cloud
153	Lava Stone	3095	Deep Water
154	Raw Silk	2220	Moonstone
155	Nordic Green	2330	Sage
156	Labrador	2251	Mountain Eve
157	Rosewood	4120	Brick
158	Bloodstone	6900	Bordeaux
159	Dakota Brown	4140	Capuccino
160	Snow White	100	White
161	Zorro	4240	Onyx

Granyle Finish Testing			
Test	Test Method	Criteria	Results
Surface Burning Characteristics	ASTM E 84	ICC and ANSI/EIMA 99-A-2001 Flame Spread <25 Smoke Developed <450	Passed
Flexibility ¹	ASTM D 522 Method B	No ICC or ANSI/EIMA Criteria	Passed: 3.5" diameter @ 40 °F
Water Vapor Transmission	ASTM E 96 Procedure B	ICC: Vapor Permeable No ANSI/EIMA Criteria	45 Perms
Accelerated Weathering	ASTM G 154 Cycle 1 (QUV)	ANSI/EIMA 99-A-2001 2000 hours: No deleterious effects ²	5000 hours: No deleterious effects ²
	ASTM G 155 Cycle 1 (Xenon Arc)	ICC: 2000 hours: No deleterious effects ²	2000 hours: No deleterious effects ²
Chalk Rating	ASTM D 4214 after ASTM G 154 Cycle 1	No ICC or ANSI/EIMA Criteria	Chalk rating: 8 after 5000 hours QUV
Instrumentally Measured Color Difference ³ (includes yellowing)	ASTM D 2244 CIELAB, 10° Observer after ASTM G 154 Cycle 1	No ICC or ANSI/EIMA Criteria	Color change: 5.0 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 ²	90 cycles: No deleterious effects ²
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 ²	1000 hours: No deleterious effects ²
Water Resistance	ASTM D 2247	ICC and ANSI/EIMA 99-A-2001 14 days: No deleterious effects ²	42 days: No deleterious effects ²
Abrasion Resistance	ASTM D 968 Method A Falling Sand	ANSI/EIMA 99-A-2001 500 liters (528 quarts); No deleterious effects ²	1000 liters (1057 quarts): No deleterious effects ²
	ASTM D 4060 Taber Abrasion (500 g load)	No ICC or ANSI/EIMA Criteria	1000 cycles: .83 mg mass loss/rev
Adhesion to Concrete	ASTM D 4541	ICC and ANSI/EIMA 99-A-2001: 15 psi minimum	>231 psi
Tensile Bond	ASTM C 297/E 2134 (formerly EIMA 101.03)	ICC and ANSI/EIMA 99-A-2001: 15 psi minimum	>23 psi
1. Finish applied over aluminum panels, bent on cylindrical mandrels as described in ASTM D 522 Method B. Lower diameter indicates higher flexibility. 2. No cracking, checking, rusting, crazing, erosion, blistering, peeling, or delamination when viewed under 5x magnification. 3. 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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