

SAND STORM[®]
Guide Specifications

TRIARCH
GUIDE SPECIFICATIONS
SECTION 09960
SANDSTORM

PART 1 – GENERAL

1.01 DESCRIPTION OF WORK

Provide all labor, materials and equipment necessary to apply the tinted Primer™ and Sand Storm finish over interior drywall or cementitious substrate or exterior concrete, stucco, or masonry.

1.02 REFERENCES

- A. ASTM E 96 - Tests for Water Vapor Transmission of Materials
- B. ASTM D 2247 - Method of Testing Coated Metal Specimens at 100% Relative Humidity
- C. ASTM D 968 - Test Method For Abrasion Resistance of Organic Coatings by the Falling Abrasive Tester
- D. ASTM G 23 - Recommended Practice for Operating Light and Water Exposure Apparatus (Carbon-Arc Type) for Exposure of Non-Metallic Materials
- E. ASTM E 84 - Test Method for Surface Burning Characteristics of Building Materials
- F. MIL STD 810B - Environmental Test Methods

1.03 DESCRIPTION

The TRIARCH Sand Storm finish is an architectural finish consisting of a blend of naturally colored quartz aggregates and a clear 100% acrylic binder. Sand Storm is offered in ten design colors.

1.04 SUBMITTALS

A. Samples

The applicator shall make and submit two (2) 0.6m x 1.2m (2'x4') samples of the proposed finish to the architect and/or owner for approval.

B. Mock-up

A minimum 2.4m x 2.4m (8'x8') area of actual project or mock-up wall shall be coated by the applicator/ contractor with the Sand Storm finish to establish a standard of acceptance by the owner, architect or project manager.

C. Manufacturer's Information

Submit manufacturer's product information and specifications.

1.05 QUALITY ASSURANCE

A. Qualifications

1. System Manufacturer: Shall be TRIARCH. All materials shall be manufactured or sold by TRIARCH and shall be purchased from TRIARCH or its authorized distributor.

a. Materials shall be manufactured at a facility covered by a current ISO 9001:2000 Certification. Certification of the facility shall be done by a registrar accredited by the American National Standards Institute, Registrar Accreditation Board (ANSI-RAB).

2. All bidding applicators should have attended a factory product application session and otherwise be qualified to apply materials prior to submitting bid. Applicator shall submit a photocopy of factory certificate as proof of attendance of factory training session.

B. Substrates

1. Application of the Sand Storm finish shall be applied to the following substrates when prepared in accordance with this specification.

a. Interior uses:

- Drywall
- Plaster
- Unit Masonry
- Concrete

b. Exterior uses:

- Sound unglazed brick, masonry UNITS (cmu) or concrete
- Sound stucco

2. The applicator shall verify that the proposed substrate is acceptable prior to application of Sand Storm.

- C. Performance Requirements
1. Water Vapor Transmission (ASTM E 96) - Water Vapor Permeable
 2. Moisture Resistance (ASTM D 2247) - 14 days exposure, no deleterious effects.
 3. Salt Spray Resistance (ASTM B 117) - 300 hours, no deleterious effects.
 4. Accelerated Weathering (ASTM G 23) - 2000 hours, no deleterious effects.
 5. Mildew Resistance (MIL STD 810B) - Passes
 6. Flame Spread (ASTM E 84) - <25 Class 1

1.07 DELIVERY, STORAGE AND HANDLING

- A. All materials shall be delivered to the job site in the original, unopened packages with labels intact. Upon arrival, materials shall be inspected for physical damage, freezing or overheating. Questionable materials shall not be used.
- B. All materials shall be stored in a cool, dry location, out of direct sunlight, and protected from weather and other damage. Do not stack materials more than three (3) containers high.
- C. Minimum storage temperature shall be 10° C (54° F). Maximum storage temperature shall be 38° C (100°F). Protect from freezing.

1.08 JOB CONDITIONS

- A. Existing Conditions

The applicator shall have access to electric power, clean water and a clean work area at the location where the Sand Storm materials are to be applied.

- B. Environmental Conditions

The ambient air and wall temperatures shall be minimum 4° C (40° F) for the application of Primer and Sand Storm. The temperature shall remain so for at least 24 hours thereafter or longer if necessary for the materials to sufficiently dry.

C. Protection

1. Adjacent areas and materials shall be protected from damage, drops, and spills.
2. The Sand Storm materials shall be protected by permanent or temporary means from weather and other damage prior to, during, and immediately after application. Care must be taken to provide adequate ventilation to prevent condensation and/or heat build up when using tarp or plastic as protection.

D. Sequencing and Scheduling

1. Application shall be coordinated with other construction trades.
2. Sufficient material, labor and equipment shall be employed to ensure a continuous operation, free of cold joints, texture variations, scaffold lines, etc.

1.09 LIMITED MATERIALS WARRANTY

TRIARCH shall offer a written 5 YEAR Limited Materials Warranty upon receipt of a properly executed warranty request and completed project form. Contact TRIARCH Warranty Services Department for full details.

1.10 DESIGN RESPONSIBILITY

It is the responsibility of the specifier to determine if a product is suitable for its intended use. TRIARCH has prepared guidelines in the form of specifications and product sheets to facilitate the design process only. TRIARCH is not liable for any errors or omissions in design, detail, structural capability, attachment details, shop drawings, etc. or for any changes which specifiers or their appointed representatives may make to TRIARCH's published comments.

1.11 MAINTENANCE

All TRIARCH products are designed to require low maintenance. However, as with all building products, depending on location, some cleaning may be required.

PART II – PRODUCTS

2.01 GENERAL

All products shall be supplied by and obtained from TRIARCH or its authorized distributors. Substitutions or addition of other materials will void the warranty.

2.02 COMPONENTS

- A. Sand Storm Finish: An architectural finish consisting of a blend of naturally colored quartz aggregates and a clear 100% acrylic binder. Reference Color shall be CS # _____.
- B. Primer: A pigmented, exterior/interior acrylic emulsion primer.

MATERIALS

Water: Shall be clean and potable.

EQUIPMENT

- A. Mixing shall be done with a clean Goldblatt Jiffler mixer #15311H7 or equivalent powered by a 13mm (1/2") drill at 400-500 RPM.
- B. Tools associated with the plastering and painting trades.
- C. Spray equipment appropriate for aggregate finishes.

PART 3 - EXECUTION

3.01 INSPECTION

- A. Examination of Substrate.
Ensure that the substrate is of a type and condition listed in Section 1.06.B.
- B. Ensure that minimum application temperatures are met per Section 1.08.B.

3.02 SUBSTRATE PREPARATION

- A. Stucco, masonry, concrete
 - 1. Stucco and concrete walls shall have cured per manufacturer's instructions prior to application of TRIARCH'S Primer and Sand Storm finish.
 - 2. Walls shall be cleaned to remove all dirt, dust, efflorescence or any other matter which may interfere with the bond of a surface coating.
 - 3. Rough surfaces shall be skimmed with TRIARCH'S SKIMM to provide a smooth, flat, and level base in accordance with published system's application instructions.

B. Interior Surfaces

1. Drywall shall have its joints taped and fasteners spotted with drywall joint compound to provide a smooth base.
2. Interior plaster shall be finished smooth.
3. Interior masonry or cement shall be cleaned to remove all dirt, dust, efflorescence or any other foreign matter which may interfere with application of a surface coating. Rough surfaces shall be skimmed with TRIARCH's SKIMM to provide a smooth, flat and level base in accordance with published system's application instructions.

3.03 APPLICATION**A. Primer Application**

1. The specified color coordinated Primer shall be applied to the surface prior to Sand Storm application.
2. Stir to a smooth, homogeneous consistency.
3. Apply using a brush, paint roller.
4. Allow to dry (minimum 4 hours) prior to Sand Storm application.

B. Sand Storm Finish Application

1. Sand Storm shall be mixed for no more than 1 to 1 1/2 minutes to ensure uniformity using a Goldblatt Jiffler Mixer powered by a 13mm (1/2") drill at 400-500 RPM, just prior to application.
2. Sand Storm should be applied in two trowel coats. First, apply a tight coat of Sand Storm with a stainless steel trowel. This coat must be free of trowel lines, voids, and imperfections. Allow to dry 4-8 hours, depending upon temperature and humidity. Apply a second coat of Sand Storm on top of the first coat, using a trowel and pull tight. Smoothing the finish coat (coat #2) with a plastic knockdown blade will aid in making the finish smooth.
3. Allow the Sand Storm to dry a minimum of 24 hours under average drying conditions, [21 °C (70 °F), 50% R.H.] Cool, damp conditions may require longer drying time.
4. If additional dirt pickup resistance is desired, a coat of Acrylic Sealer as manufactured by TRIARCH may be applied by spray or roller.

5. Avoid mixing batches. Sand Storm contains naturally colored aggregate and slight color variations may occur. Order in single batches when possible, or at least avoid using more than one batch elevation.

3.04 FIELD QUALITY CONTROL

- A. TRIARCH assumes no responsibility for on-site inspections. TRIARCH and/or its distributors will provide field service support with sufficient notice from the applicator if a specific job problem develops. The designer, general contractor, or their appointed representative should make periodic on-site inspections to ensure that the TRIARCH materials are being installed in strict accordance with TRIARCH's specifications. The applicator shall be responsible for the proper application of the TRIARCH materials. TRIARCH does not warrant the applicator's workmanship.
- B. If requested, the applicator shall certify in writing the quality of work performed relative to the substrate system, details, installation procedures and workmanship is in accordance with project specifications and manufacturer's instructions.

CLEAN-UP

- A. Materials left over by the applicator at the job site shall be removed by the applicator in accordance with all local, state, and federal requirements.
- B. The applicator shall clean adjacent materials and surfaces and the work area of foreign materials resulting from their work.