

FRESCO®

High Performance Acrylic Coating
For Interior Wall Finishes

TRIARCH
FINE ARCHITECTURAL FINISHES

T308

FRESCO®

Guide Specifications

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Guide Specifications

TRIARCH
GUIDE SPECIFICATIONS
SECTION 09960
FRESCO

PART 1 – GENERAL

1.01 RELATED DOCUMENTS

Drawings and general provisions of the Contract, including General Conditions, Special Provisions, and Specifications, apply to work of this section.

1.02 DESCRIPTION OF WORK

- A. EXTENT of wall/ceiling coating work is indicated on drawings and schedules, as herein specified.
- B. WORK INCLUDES (*write a general description of the scope of work*). The work also includes masking, protection of adjacent surfaces, priming, finishing, and cleanup of all coated areas throughout the project as designated on the drawings and finish schedules, except as otherwise specifically indicated.
- C. WORK SPECIFIED IN OTHER SECTIONS: Textured coatings, other specialty coatings, fire proofing, wall coverings, tile, paneling, fabrics, acoustical treatments, shop applied finishes and laminated plastics.

1.03 QUALITY ASSURANCE

- A. COMPATIBILITY: Provide primers and other undercoat materials which are produced or are specifically recommended by the same manufacturer as the finish materials to ensure compatibility and use only within recommended limits.
- B. COORDINATION OF WORK: Review other sections of these specifications in which prime paints, raw substrates, or other substances might be present to ensure compatibility of total coatings systems. Upon request from other trades, furnish information or characteristics of coating materials provided for use, to ensure compatible substrate materials and finishes are used.
- C. WARRANTY: Provide written 10-year Material Performance Warranty from manufacturer.

1.04 SUBMITTALS

- A. PRODUCT DATA: Submit manufacturer's technical information including installation instructions, product description, and product test data conforming to the test performances required herein.

- B. **SAMPLES:** Prior to beginning work, Contractor shall provide Architect with a complete color set as furnished by the manufacturer for color selection purposes. After architect's color selection, Contractor shall provide three samples of each color of the specified coating applied to 10" x 12" hardboard for review. Apply materials in the same manner and with the same equipment as is to be used in the field.

1.05 DELIVERY AND STORAGE

- A. **DELIVER MATERIALS** to jobsite in original, new and unopened containers bearing manufacturer's name and label, and the following information: Name or title of materials, manufacturer's stock and/or batch number, date of manufacture, and contents of containers including color name and number.
- B. **STORE MATERIALS** not in active use in tightly covered containers. Maintain containers in a clean condition, free from foreign materials and residue. Protect from freezing and maintain temperatures below 100° F. Keep materials stored in an orderly and organized manner to reduce the risk of error. Do not stack materials more than three containers high. Protect from fire hazards.

1.06 JOB CONDITIONS

- A. **APPLY** materials only when surface temperature is between 60° and 95° F. Protect finishes from casual impact and rain for a period at least 24 hours after installation. Protect all surfaces and adjacent areas not intended to be coated and clean immediately any spillage, droppings, or other extraneous contact of the materials with other surfaces.
- B. Remove masking tape and clean all adjacent surfaces at the end of each work day. Do not leave masking tape or waste materials in place for more than eight (8) hours.

PART 2 - PRODUCTS

2.01 MANUFACTURER

Provide FRESCO as manufactured by TRIARCH, One Energy Way, West Warwick, RI 02893, 1-800-537-6111, www.triarchinc.com.

2.02 MATERIALS

- A. **MATERIAL QUALITY:** Finished and fully cured (28 days) Fresco materials shall have the following minimum performance characteristics:

ASTM-E84 Flame Spread
ASTM D2486.89

N/A for coatings less than 1/28" thick

Solvent Resistance: (1 hour soak)

Water	No change
Detergent	No change
Ethanol	No change
Naphtha	No change
Ammonium Hydroxide	Temporary softening
Ethylene Glycol	No change
Bleach (household)	No change
Sodium Hypochlorite (Tile-X)	Temporary softening

Stain Resistance (10 hour soak and wash with 409® Cleaner and water)

Water	No stain visible
Blood	No stain visible
Urine	No stain visible
Coffee	No stain visible
Tea	No stain visible
Blueberry	No stain visible
Mustard	No stain visible
Bleach (household)	No stain visible
Sodium Hypochlorite (Tile-X)	No stain visible

Mark Resistance (marked 24 hour cure, wash with brush 409® cleaner and/or bleach)

Pencil	No mark visible
Ball point pen	No mark visible
Rubber shoe heel	No mark visible
Felt tip pen (non-permanent)	No mark visible

B. SPECIFICATIONS:

Water-base pure acrylic resin
 Inorganic fillers
 64.5% solids by volume
 Perm Rating: 17 perms, ASTM D1653
 Film Thickness: 4 mils dry (6 mils wet)

C. COLOR:

Color Pigments: All pigments shall be pure, non-fading, UV stable, and shall not contain heavy metal concentrations higher than allowed by governing regulations.

Color Selection: Provide at least eighty factory colors and factory custom color service.

PART 3 - EXECUTION

3.01 INSPECTION

Applicator shall examine areas and conditions under which coating work is to be applied and notify Contractor in writing of conditions detrimental to proper and timely completion of the work. Do not proceed with work until unsatisfactory conditions have been corrected in a manner acceptable to the applicator.

3.02 GENERAL

- A. Perform preparation and cleaning procedures in accordance with manufacturer's recommendations and as herein specified, for each particular substrate condition.
- B. Remove hardware, hardware accessories, machined surfaces, plates, lighting fixtures, and similar items in place and not to be finish coated, or provide masking or other protection prior to surface coating operations. Following completion of coating of each space or area, reinstall removed items.

3.03 SURFACE PREPARATION

- A. **GENERAL:** Provide masking or other protection prior to surface coating operations. Remove protection immediately following completion of each area. Clean surfaces to be coated before applying any materials. Remove dust, latency, form release agents, grime, dirt, oil and grease prior to application of any coating. Program cleaning and coating so that contaminants from cleaning process will not fall into wet or newly coated surfaces.

Moisture content of the substrate may be up to 30% provided substrate can be reasonably expected to completely dry within forty-eight hours of application. Coating will remain uncured until full drying has been achieved.

- B. **CEMENTITIOUS MATERIALS:** Prepare cementitious surfaces such as unpainted/uncoated concrete, concrete block, cement plaster by cleaning as noted above and removing form release agents that might interfere with bond. Major holes, honeycombs, etc. to be filled with cement grout as specified under concrete elsewhere in these specifications. Grind, fill and float smooth all minor holes, joints, seams and other imperfections using SKIMM® as manufactured by Triarch Industries. Allow SKIMM to dry 24 hours. Dampen dry plaster and concrete surfaces prior to installation of materials but wipe away any active condensation or water sufficient to cause a wet glaze.
- C. **FERROUS METALS:** Clean free of oil and surface contaminants with non-petroleum based solvent. Prime all bare metal surfaces with a good quality rust inhibiting primer prior to application of any acrylic coating materials. Test adequacy of adhesion of primer to substrate prior to application of Fresco. Document test results.

- D. WOOD, PLYWOOD, and PARTICLE BOARD: Remove dust, wax, oil and other surface contaminants that might interfere with bond. Seal all wood with a good stain-blocker/sealer. Use only oil based sealer on wood which has been treated with fire retardant salts. Test adequacy of adhesion of primer to substrate prior to application of Fresco. Document test results.
- E. GALVANIZED SURFACES: Clean free of oil and surface contaminants with non-petroleum based solvent. Apply one coat of primer specifically designed for bonding to galvanized metal. Test adequacy of adhesion of primer to substrate prior to application of Fresco. Document test results.
- F. NEW DRYWALL: Prepare new drywall as required to meet industry standards for substrates to receive latex wall paint. Do not seal or prime the wall board in any manner except with materials recommended or supplied by the finish-coating manufacturer.
- G. EXISTING DRYWALL: Prepare to meet industry standards for a substrate that is to receive latex paint. If any areas of previously-painted existing wall have been repaired with fresh board and/or joint compound, then coat the repaired areas with one coat of Fresco and allow to dry before painting entire wall area.
- H. EXISTING DUROPLEX®: Patch and repair the Duroplex® wall surface in accord with Triarch's recommendations. Clean all other wall surfaces with light soap and water. Rinse soap from the surface with a light mist. Spot clean any remaining areas and rinse off cleaning agents. Fresco may be applied on the damp surface.

3.04 MATERIALS PREPARATION

- A. STIR MATERIALS before application with a power drill and paint paddle. Stir at approximately 350 RPM for three minutes while removing material from all sides and bottom of the container. Stir only as much material as will be used in a four hour period or re-stir material left sitting in excess of four hours. RETAIN lid on containers until the material is in actual use. Do not leave containers opened for more than one hour. If hardened material accumulates on the sides of the container, remove the material to clean container before use.
- B. THINNING: Should storage or shipping expose materials to excessively high or low temperatures, viscosity may be affected. See manufacturer's written instructions for thinning information.

3.05 APPLICATION

- A. GENERAL: Apply Fresco materials in accordance with the manufacturer's instructions and recommendations as required to achieve the appearance of the approved samples and performance as specified herein.

- B. **FINISH SCHEDULES:** Surface treatments, and finishes, are indicated in "schedules" of the contract documents. Final finishes shall conform to the approved samples.
- C. **MINIMUM FILM THICKNESS:** Final dry film thickness shall be a minimum average of 4 mils (6 mils wet). Coat surfaces behind movable equipment and furniture same as similar exposed surfaces.
- D. **COMPLETED WORK** shall be uniform in appearance and coverage. It shall be free of holidays, spotting, laps, runs, sags, or other surface imperfections.
- E. **COMPLETED WORK** shall be uniform in appearance and coverage. It shall be free of holidays, spotting, laps, tool marks, runs, sags, or other surface imperfections.

3.06 CLEAN-UP AND PROTECTION

- A. **CLEAN-UP:** During progress of work, remove from site discarded coating materials, rubbish, cans, and rags at the end of each work day in compliance with all local, state, and federal requirements.
- B. **PROTECTION:** Protect work of other trades, whether to be coated or not, against damage by coating work.

Provide signs, barricades, etc., as required to protect new work from damage by others (see General section of this division for curing times).