

KLONDIKE™

**Low Profile Oxidized Metallic Finish
For Interiors**

TRIARCH
FINE ARCHITECTURAL FINISHES

T316

KLONDIKE

Guide Specifications

TRIARCH
GUIDE SPECIFICATIONS
SECTION 09 94 19
KLONDIKE SPECIALTY WALL FINISH

Klondike™ is a decorative and durable water-based commercial finish that introduces elegance and sophistication into any commercial space. Its light reflectivity allows for the use of darker, richer, more dramatic colors. A wide choice of colors maximizes design flexibility.

Klondike™ has low VOC content, breathable film, and active biocides to resist the growth of mold and mildew on the paint film making it a truly green design option. Especially well suited for application in healthcare, hospitality, and any other commercial facilities with continuous occupancy, Klondike™ can also assist in achieving LEED Credit # 4.2, for Low Emitting Materials: Paints and Coatings.

Klondike™ complies with all federal air pollution regulations for volatile organic compounds.

Specification Coordination: Edit this guide specification according to project requirements. Add, delete, or modify text as required. Coordinate this Section with related sections and with Bidding and Contract requirements. This guide specification can be accessed on our web site, www.TRIARCHINC.com.

Drawing Coordination: Show extent of surfaces to receive Klondike™ on the Drawings or Room Finish Schedule.

Design Assistance: For complete product information and samples, contact your local TRIARCH representative or contact TRIARCH directly at 800-537-6111, or email sales@triarchinc.com.

NOTE: For the most accurate and up-to-date information, take care to only use Guide Specifications directly from the TRIARCH website: www.TRIARCHINC.com

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PART 1 GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General Conditions, Division 01 - General Requirements, and other applicable specification sections in the Project Manual apply to the work specified in this Section.

1.02 SUMMARY

- A. **Scope:** Provide labor, material, equipment, related services, and supervision required, including, but not limited to, manufacturing, fabrication, wall assemblies, and application for specialty wall finishes as required for the complete performance of the work, and as shown on the Drawings and as herein specified.
1. Provide a water-based single component specialty wall finish in a single can that shall be applied per control sample. Product shall meet or exceed applicable LEED standards. Product shall be washable and contain anti-microbial product that resists mold and mildew build-up on the dried paint film.
- B. **Related Sections:** Related sections include, but shall not be limited to, the following:
- o Section 03 30 00 - Cast-in-Place Concrete.
 - o Section 03 40 00 - Precast Concrete.
 - o Section 04 20 00 - Unit Masonry.
 - o Section 09 20 00 - Lath and Plaster.
 - o Section 09 29 00 - Gypsum Board.
 - o Section 09 90 00 - Painting.
 - o Section 09 96 59 - Glazed Wall Coatings.

1.03 REFERENCES

- A. LEED Reference Guide for Green Building Design and Construction, 2009 Edition, IEQ credit 4.2.

1.04 SYSTEM DESCRIPTION

KLONDIKE is a modern and elegant water-based variegated paint for interiors. May also be used exterior with a protective clear coat. The decorated surfaces capture the precious forged metal fragments within the paint, enhancing the gold, silver and oxidized effects.

- Available in 48 metallic effects.
- Application consists of a special primer and two coats of finish.
- Applied by trowel or optionally by brush with a dry trowel burnish step.
- VOC at less than 40 g/l.

1.05 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 8" x 12" hardboard or drywall for review. Apply materials in the same manner and with the same equipment that will be used in the field.
- C. **LEED Submittals:** Submittals that are required to comply with requirements for LEED certification include, but shall not be limited to, the following:

Low-Emitting Materials: Submit certification by the manufacturer confirming that products (i.e., adhesives, sealants, paints, coatings, etc.) meet or exceed the volatile organic compound (VOC) limits set by specific agencies or other requirements as outlined in LEED Green Building Rating System. VOC limits shall be clearly stated in the submittal.

1.06 QUALITY ASSURANCE

A. **Qualifications:**

- 1. **Manufacturer Qualifications:** Manufacturer shall be ISO 9001:2000 certified.
 - 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. **FACTORY QUALIFIED INSTALLER:** Application Contractor should have attended a factory product training session and should otherwise be qualified to apply the products prior to submitting the bid. Applicator should submit photocopy of factory documentation as proof of attendance.

Contact TRIARCH or your local TRIARCH representative for names of trained applicators in your Project area.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials in their original, unopened containers bearing manufacturer's labels.
- B. Close all containers tightly when not in use. Store in a cool dry place away from direct sunlight. **Protect from freezing.**
- C. **Protect from heat over 100°F.** Stack to maximum of three (3) pails high. Klondike has a one (1) year shelf life.
- D. Disposal – Dispose of unused or unwanted product in accordance with local laws regulating water-based coatings.

1.08 PROJECT CONDITIONS

- A. Coating shall only be applied when the temperature of air and substrate is between 50 degrees F (10 degrees C) and 85 degrees F (29 degrees C). Temperature of substrate is to be above dew point and substrate is dry to the touch.
- B. Protect surfaces not to be coated.
- C. Provide adequate illumination.
- D. Provide adequate fresh air and ventilation during application.

1.09 MAINTENANCE MATERIALS

Klondike specialty finishes are long-lasting, durable, and easy to clean. If coating does become damaged, it is easy to patch or re-coat. Touch-up materials and equipment are readily available from material supplier.

- A. **Maintenance Manual:** Submit manufacturer maintenance documents for the building operator's records. Documents may be obtained from manufacturer's website.
- B. **Extra Stock:** Provide [0.65 gallon (2.5 l)] of each color blend used. Provide in sealed, labeled containers.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. **Basis of Design:** Provide Klondike™ products from TRIARCH, 1-800-537-6111, www.triarchinc.com, consistent with color and texture selected by Architect/Designer in CS# xxxxx.xx

2.02 MATERIALS

- A. **LEED Requirements:**
 - 1. **Low Emitting Materials:** Provide materials that conform to LEED Reference Guide for Green Building Design and Construction, 2009 Edition, IEQ credit 4.2.
- B. **Primers, Sealers, and Fillers:** Provide primers recommended by manufacturer for substrates. Do not tint primers. Manufacturer's primer is supplied in a grey color only.

PART 3 EXECUTION

3.01 EXAMINATION

- A. **Verification of Conditions:** Examine areas and conditions under which the work is to be applied, and notify the Contractor in writing, with a copy to the materials supplier, of any conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions have been corrected.
 - 1. Verify that substrates are ready to receive work of this Section and are in accordance with coating manufacturer's requirements. Report any conditions that would adversely affect the appearance or performance of the coating systems.
 - 2. Beginning of the work shall indicate acceptance of the areas and conditions as satisfactory by the Applicator.

3.02 SURFACE PREPARATION

Coordinate preparation with other applicable specification sections.

- A. **General:**
 - 1. **Protection:** Prior to surface preparation and application operations, completely mask, remove, or otherwise protect hardware, accessories, plates, lighting fixtures, floors, and similar items in contact with or in the vicinity of coating surfaces, but not scheduled to receive special coating. Protect and store removed items. Re-install items after completion of coating application.
 - 2. **Cleaning:** Before applying special coating, insure that receiving surfaces are clean. Surfaces shall be clean, dry, and adequately protected from dampness. Surfaces shall be smooth, even and true to place, and free of any foreign material which will adversely affect adhesion or appearance of applied coating.
 - 3. **Moisture Levels:** Gypsum board, plaster, concrete, and masonry surfaces shall be tested with moisture testing device before coating is applied. No coating shall be applied when moisture content exceeds 12 percent, except as may be required by the manufacturer of the coating materials used.
 - 4. **Mildew:** Mildew shall be removed and neutralized.
 - 5. **pH:** pH of surface to be coated shall be under 10.
Priming: Provide recommended primers for surfaces to receive special coating. The Contractor shall sand and re-prime all abrasions and damage spots in the surface of the primer before proceeding with subsequent finish coat.

- B. **Concrete:** Remove high spots, fill holes, and clean surfaces as specified in Section 03 30 00 - Cast-In-Place Concrete. Cure 28 days minimum before application of coating.
- C. **Masonry:** Tool joints and clean surfaces as specified in Section 04 20 00 - Unit Masonry. Rinse off cleaning solutions and allow surface to dry. Cure mortar 28 days minimum before application of coating.
- D. **Ferrous Metals:** Remove rust and mill scale. Shop-coated, unprimed, or damaged areas shall be cleaned to meet the requirements of the SSPC SP-3 and primed in accordance with these recommendations. Wire brush or sand damaged or rusted areas to bright metal. Remove grease and other foreign materials with mineral spirits. Touch-up damaged areas of shop primer.
- E. **Non-Ferrous Metals:** Clean with lacquer thinner.
- F. **Wood:** Sand smooth and free of marks. Wash sap spots and knots with mineral spirits. When dry, cover spots and knots with two coats of shellac.
- G. **Plaster:** Cure 28 days minimum before application of coating.
- H. **Gypsum Board:** Apply joint tape and compound to joints, fastener heads, dents, and surface flaws as specified in Section 09 29 00 -Gypsum Board. Prepare surface to a minimum Level 5 gypsum board finish. Use acrylic joint compound, lightweight muds may cause joint problems. Sand smooth and flush with adjacent surfaces. Prepare surface of moisture-resistant board to a minimum Level 5 gypsum board finish. Prepare surface of impact-resistant board to a minimum Level 5 gypsum board finish.
- I. **Ceramic Tile:** Clean tile and remove mildew. Scuff sand, apply manufacturer's recommended primer.
- J. **Vinyl Wall Coverings:** Verify that seams are laid down and firmly adhered. Prime with manufacturer's recommended primer. Check for intercoat adhesion and plastizer migration prior to applying finish.
- K. **Previously Painted Surfaces:** Thoroughly clean and dry surface to be re-coated. Sand lightly and remove sanding dust.

For other substrates, contact TRIARCH for preparation recommendations. This product is not recommended for exterior surfaces, floors, and surfaces subject to frequent water contact.

3.03 STIRRING & MIXING

- A. **Only stir PRIMER and FINISH materials by hand – do not use a power mixer.**
- B. If field tinting, only use approved COLORI tint system and in strict accordance with manufacturer's written instructions.

3.04 APPLICATION

- A. Follow manufacturer's recommendations and instructions carefully regarding special coating product so as to provide the best quality work.
- B. Materials shall be applied under adequate illumination, evenly spread, and smoothly applied, free of runs, sags, holidays, lap marks, air bubbles, and pinholes to assure a smooth finish.
- C. Suction or hot spots shall be spot-primed prior to general priming.
- D. Apply as many primer coats as necessary to produce a grey uniform substrate appearance. Do not exceed manufacturer's published coverage rate.

Select applicable application mode to meet design control sample.

- E. **1) Classic effect (using a special trowel):** apply KLONDIKE with the PV 43 Stainless Steel Trowel, using uneven strokes between 6-12 inches (15 -30 cm) long in all directions, leaving a light and uneven coating of product on the surface. After 5 -6 hours at 70° F (20°C), apply the second coat of KLONDIKE using the same method as for the first coat (described previously). Wait for approximately 1 hour at 70° F (20°C) and go over the part which has already been treated, using the same PV 43 Stainless Steel Trowel but with no product, making criss-cross strokes approximately 6-12 inches (15 - 30 cm) long in all directions and exerting pressure so that the color particles are crushed and made smaller, thus forming light and shade effects.
- 2) Classic effect (Brush + Spatula):** the Classic effect can also be achieved using the following application cycle. Dip the PV 76 brush into the product, making sure it is well loaded, and apply KLONDIKE using small brushstrokes 3-6 inches (8 -15 cm) long in all directions, moving from right to left and vice-versa, and from bottom to top and vice-versa, leaving a light layer of product which is more or less uneven. After approximately 20 minutes at 70° F (20°C) use the PV 43 Stainless Steel Trowel (without any product) to smooth the decorated surface, working in all directions. Wait approximately 5 -6 hours at 70° F (20°C), before applying the second coat of KLONDIKE, with the same PV 76 Brush and using the same technique as for the first coat. Wait for approximately 1 hour at 70° F (20°C) and go over the part which has already been applied, using the PV43 Stainless Steel Trowel (without any product) to make criss-cross strokes 6-12 inches (15 -30 cm) long in all directions and exerting pressure so that the color particles are crushed and made smaller, thus forming light and shade effects.
- 3) Brushstroke effect:** dip the PV 76 brush into the product, making sure it is well loaded, and apply KLONDIKE using small brushstrokes 6-12 inches (15 -30 cm) long in all directions, moving from right to left and vice-versa, and from bottom to top and vice-versa, leaving a light layer of product which is more or less uneven. After approximately 5 -6 hours at 70° F (20°C), apply the second coat of KLONDIKE, using the same technique as for the first coat. Wait for approximately 1 hour at 70° F (20°C) and go over the part already treated with the PV 76 Brush but without any product, using criss-cross strokes in all directions and exerting pressure on the surface.

3.05 CLEANING

- A. Remove paint spatters from adjoining surfaces.
- B. Repair any damage to coatings or surfaces caused by cleaning operations.
- C. Remove debris from job site and leave storage area clean.

3.06 PROTECTION

- A. Provide final protection and maintain conditions in a manner acceptable to the Applicator that shall ensure that the specialty wall finishes shall be without damage at time of Substantial Completion.

3.07 CLEANING

- A. When necessary, the surface can be washed down with a sponge using a mild solution of detergent and water.

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