LEVEY true 2500®

INTERIOR ROLL-ON PAINT
2500 SCRUB CYCLES
WATERBASED | ACRYLIC LATEX | NO ODOUR

CSI Format Guide Specification

INTERIOR EGGSHELL FINISH
WATERBASED / LOW VOC

Section 09 91 23
Interior Paints

Levey True 2500® Eggshell is a low VOC, durable waterbased coating designed for use in commercial spaces as an alternative or upgrade to available acrylic or latex paint when high hide and expanded stain resistance and cleaning characteristics are required to assist in lower lifecycle costs and colour-longevity. In addition, Levey True 2500® Eggshell has a Class A or Type I fire rating.

Design Assistance: For complete product information and/or standard colour samples, please contact us at 1.800.588.3990

The following Painting Schedule was compiled as a guide to assist in selecting interior paint systems, and is not all-inclusive of Master Coating Technologies' products. This guide is written in the CSI format and should be reviewed and content edited to suit the project and respective location.

Local and National V.O.C. (Volatile Organic Compound) regulations have been taken into consideration, but because these regulations vary greatly across North America and are subject to change, we suggest that verification of project location regulations is made prior to specification.

The following should be noted when using this guide specification:

Items requiring user input are enclosed within brackets, e.g.: "Section [_____ - _____]."

NOTE: This Guide specification is subject to change without notice.

Part 1

1.1 SECTION INCLUDES

A. Interior Primers

B. Interior Paint

C. Wall Preparation

1.3 REFERENCES

A. Green Seal Standard GS-11; May 20, 1993.

B. MPI (APL) - Master Painters Institute.

C. 40 CFR 59, Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings; U.S. Environmental Protection Agency; current edition.

D. LEED®- CAGBC — http://www.cagbc.org/

1.4 SUBMITTALS

A. Submit under provisions of Section 01 33 00 – Submittal Procedures.

NOTE TO SPECIFIER: Delete the next paragraph if LEED Credit is not required on this project.

B. Coordinate with Section 01 30 00 – Administrative Requirements, for submittal procedures for Federal Green Construction Guidelines for Specifier.

Link: HYPERLINK "http://www.wbdg.org/design/greenspec_msl.php?s=013000**" http://www.wbdg.org/design/greenspec_msl.php?s=013000**

C. Manufacturer's data sheets on each paint and coating product should include:

1. Product characteristics
2. Surface preparation instructions and recommendations
3. Primer requirements and finish specification
4. Storage and handling requirements and recommendations
5. Application methods
6. Cautions & VOC's

D. Submit verification samples for each finish product specified, to include: (1) actual product sample and (2) colour number.

E. Indicate special surface preparation procedures.

1.5 MOCK-UP

A. If project size warrants a test, provide a mock-up for evaluation of surface preparation techniques and application workmanship:

1. Finish areas designated by project lead or provide sample that illustrates prime and finish coats.
2. Do not proceed with remaining work until workmanship, colour, and sheen are approved by project lead.
3. Refinish mock-up area as required to produce acceptable work if necessary.

1.6 DELIVERY, STORAGE, AND HANDLING

A All product must be (1) ordered as specified and (2) delivered directly to worksite in manufacturer's unopened containers and should comply with Sections:

• 01 60 00 HYPERLINK "http://www.masterformat.com/numberstitles/list/423"Product Requirements

• 01 61 00 Common Product Requirements

B Store materials in an area that is within the acceptable temperature range of between 50° and 80° F.

C. Do not freeze.

D. Maintain a clean, dry storage area, to prevent contamination or damage to the coatings.

E. Disposal:

• Never pour leftover paint down any sink or drain.

• Do not incinerate closed containers.

NOTE: For specific disposal or recycle guidelines, contact the local waste management agency or district.

Recycle when possible.

1.7 PROJECT CONDITIONS

A Maintain environmental conditions such as temperature, humidity, and ventilation as specified on product label.

1. Air temperature: Between 50° and 90° F. and drying conditions are good.
2. Prevent wide temperature fluctuations that could cause moisture condensation on freshly coated surfaces.
3. Application areas free of excessive dust.

B. Do not apply coatings under environmental conditions outside manufacturer's recommendations.

C. Maintain adequate lighting to achieve expected results.

D. Provide adequate fresh air and ventilation during application.

1.8 WARRANTY

At project closeout, provide owner/end-user an executed copy of the Manufacturer's standard form outlining the terms and conditions of their Limited Warranty against Manufacturing Defect.

1.9 EXTRA MATERIALS

NOTE: MCT Eggshell is more durable, scrubable and cleanable then most commercially available waterbased latex & acrylic paint products. However, walls may still become damaged. We recommend that your specification include provisions for extra material from the same production lot as the original materials for future touch-ups or spray repairs. You may specify your instructions here:

A. Provide [____] gallons of each base coat color used.

Provide in sealed, labeled containers.

B. At project closeout, supply the owner/end-user [____] gallon(s) of each product for touch-up purposes, to include:

• colour mixture name

• colour code

• contact/customer service information, to include phone number.

PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturer: Master Coating Technologies, 2777 Eagandale Boulevard, Eagan, MN 55121

NOTE TO SPECIFIER: Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

B. Substitutions: Not permitted.

or

B Substitutions: Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 Product Requirements and require compliance with the below notation.

REQUIREMENT: When submitting request for substitution, provide (1) complete product data specified above under Submittals, for each substitute product, along with (2) ASTM scrub data for comparison — Scrub rating must exceed specified ASTM rating of 2594 ASTM scrubs.

NOTE TO SPECIFIER: Delete the next Article if LEED Credit is not required on this project.

2.2 LEED CRITERIA

A. All paints and coatings used must meet the VOC limits of Green Seal Standard GS-11:

B. Interior: 50 g/l VOC or less for Flats and 150 g/l VOC for Non Flats.

EQ CR4.2 Low Emitting Materials: 1 Credit - Paint

2.3 MIXING AND TINTING

A. Except where specifically noted in this section, all paint shall be ready-mixed and pre-tinted.

B. Mix and box all like colors prior to, and if necessary - during, application to ensure uniform color, sheen, and consistency.

C. Only thin with water when necessary. Follow instructions on can label. Do not use kerosene or other organic solvents to thin water-based paints.

D. Where paint is to be sprayed, thin according to manufacturer's current guidelines.

2.4 MATERIALS

A. Primer: Master Coating Technologies [sealing-drywall] or [bonding] Primer

If substrate requires additional priming options, provide primer recommended by manufacturer for substrate.

1. Concrete and Masonry: Use a suitable heavy-bodied latex vinyl-acrylic block filler (if filling pores is desired) prior to priming with MCT Sealing-Drywall Primer.
2. Primed Metals: No primer required.
3. New Gypsum Board: MCT Sealing-Drywall Primer.
4. Ceramic Tile and Glazed Block: MCT Bonding Primer.
5. For other substrates, utilize the highest quality approved primer for the specific substrate that is compatible with a high-quality acrylic topcoat.

B. Finish System Components:

1. MCT Eggshell
2. Miscellaneous Materials: Surface patching compounds and other materials necessary for application of finish system shall be of high quality and compatible with coating system.

2.5 EQUIPMENT

A. Spray or roll primers and base coats in accordance with manufacturer's instructions.

2.6 MATERIALS - GENERAL REQUIREMENTS

A Paints and Coatings - General Note:

Unless otherwise indicated, provide factory-mixed MCT coatings. Do not reduce, thin, or dilute coatings or add materials to coatings unless such procedure is specifically described in manufacturer's product instructions.

B Primers:

Where the manufacturer offers options on primers for a particular substrate, use primer categorized as "best" by the manufacturer. Talk with a qualified representative if you have questions about a specific substrate.

2.7 ACCESSORIES

A Coating Application Accessories:

Provide all primers, sealers, cleaning agents, cleaning cloths, sanding materials, safety masks, and clean-up materials required, per manufacturer's specifications.

Part 3 EXECUTION

3.1 EXAMINATION

A Do not begin application of coatings until substrates have been properly prepared. Notify Architect of unsatisfactory conditions before proceeding.

B If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

C Proceed with work only after conditions have been corrected and approved by all parties, otherwise application of coatings will be considered as an acceptance of surface conditions.

3.2 SURFACE PREPARATION

A Area Protection: Mask adjacent surfaces to protect from over-spray. Protect floors and other surfaces with drop cloths.

B Remove items which are not to be coated from surfaces that are to be coated. Tag and protect removed items and store until reinstallation. Reinstall items after completion of coating application to their original location. Items which are not to be coated include: [Operating Hardware], [Electrical Device Plates] and [Factory Finished Items].

C Proper product selection, surface preparation and application affect coating performance, ensures coating adhesion to the substrate and prolongs the service life of the coating system. Coating integrity and service life will be reduced if improperly prepared surface is used.

D Patch and repair substrates as specified in applicable Specifications Sections. Clean substrates: remove dirt, grit, loose materials, grease, oil, temporary protective coatings, contamination, other foreign materials and [ ]. Sand with 100 grit or finer sand paper, spackle, putty and caulk existing surfaces to produce smooth and uniform substrates. Spot-prime all existing water-soluble stains with alcohol or oil-based stain killing primer. Touch-up painted or primed surfaces with compatible paint or specified primer.

E The surface must be dry and in sound condition. Remove oil, dust, dirt, loose rust, peeling paint or other contamination prior to priming.

F Remove mildew before painting by washing with a solution of 1 part liquid household bleach and 3 parts of warm water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with clean water and allow the surface to dry 48 hours before painting. Wear protective glasses or goggles, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin.

WARNING: Do not add detergents or ammonia to the bleach/water solution.

D Substrate preparation methods:

IMPORTANT: Always use a certified mask and recommended safety equipment when preparing a surface and applying product.

1 Aluminum

Remove all oil, grease, dirt, oxide and other foreign material by cleaning per SSPC-SP1, Solvent Cleaning.

2 Block (Cinder and Concrete)

Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement, and hardeners. Concrete and mortar must be cured at least 30 days at 75°F.The pH of the surface should be between 6 and 9, unless the products are designed to be used in high pH environments. On tilt-up and poured-in-place concrete, commercial detergents and abrasive blasting may be necessary to prepare the surface. Fill bug holes, air pockets, and other voids with a cement patching compound.

3 Concrete, SSPC-SP13 or NACE 6

This standard gives requirements for surface preparation of concrete by mechanical, chemical, or thermal methods prior to the application of bonded protective coating or lining systems. The requirements of this

standard are applicable to all types of cementitious surfaces including cast-in-place concrete floors and walls, precast slabs, masonry walls, and shotcrete surfaces. An acceptable prepared concrete surface should be free of contaminants, laitance, loosely adhering concrete, and dust, and should provide a sound, uniform substrate suitable for the application of protective coating or lining systems.

4 Cement Composition Siding/Panels

Remove all surface contamination by washing with the appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled, checked, or cracked paint should be scraped and sanded to a sound surface. Pressure clean, if needed, with a minimum of 2100 psi pressure to remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and peeling or defective coatings. Allow the surface to dry thoroughly. The pH of the surface should be between 6 and 9, unless the products are designed to be used in high pH environments.

5 Copper and Stainless Steel

Remove all oil, grease, dirt, oxide and other foreign material by cleaning per SSPC-SP 2, Hand Tool Cleaning.

6 Drywall—Interior

Must be clean and dry. Joints must be taped and covered with a joint compound. All screw heads and nail heads must be set and spackled. Allow spackle to dry. Spackled heads and tape joints must be sanded smooth and all dust removed prior to painting.

7 Galvanized Metal

Clean per SSPC-SP1 using detergent and water or a degreasing cleaner to remove greases and oils. Apply a test area, priming as required. Allow the coating to dry at least one week before testing. If adhesion is poor, Brush Blast per SSPC-SP7 is necessary to remove these treatments and test again.

8 Plaster

Must be allowed to dry thoroughly for at least 30 days before painting, unless the products are designed to be used in high pH environments. Room must be ventilated while drying; in cold, damp weather, rooms must be heated. Damaged areas must be repaired with an appropriate patching material. Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with clear water and allow to dry.

9 Interior Steel: Structural, Plate, etc.

Should be cleaned by one or more of the surface preparations described below. These methods are used throughout the world for describing methods for cleaning structural steel. Visual standards are available through the Society of Protective Coatings.

10 Wood

Must be clean and dry. Prime and paint as soon as possible. Knots and pitch streaks must be scraped, sanded, and spot primed before a full priming coat is applied. Patch all nail holes and imperfections with a wood filler or putty, allow sufficient dry time, and sand smooth.

WARNING! Removal of old paint by sanding, scraping or other means may generate dustor fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup.

For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

3.3 INSTALLATION

A Mix TRUE 2500® and Primer to manufacture specifications.

B Do not apply to wet or damp surfaces.

C Spray or roll to completely cover primer and according to manufacturer's printed instructions. Apply in a continuous, even film at manufacturer's specified coverage rate.

D Apply coatings using methods recommended by manufacturer.

E Apply coatings to manufacturers recommended dry film thickness.

F Apply each coat to a natural break point such as an edge or corner without stopping.

G Finishes shall match approved benchmark samples and shall be free of runs, sags, holidays and excessive irregularity/unevenness of pattern coat. Transitions between colors and/or other materials shall be sharp, clean and

without overlaps.

H Regardless of number of coats specified, apply as many coats as necessary for complete hide, and uniform appearance.

3.4 PROTECTION

A Protect finished coatings from damage until completion of project.

B Repair any defects that will hinder the performance of the coatings.

C Repair and re-coat if damaged during application.

3.5 INSPECTION

A Request acceptance of each coat before applying succeeding coats.

B Repair and repaint unacceptable work.

C Protect finished areas from damage.

3.6 CLEANING

A Clean over spray and spills. Remove masking.

B Repair damage to coatings and surfaces caused by clean-up activities.

C Reinstall and replace items tagged and removed from installation area.

3.7 COATING SCHEDULE

A Scheduled number of coats is in addition to surface preparation specified above.

1 Primer: [Sealing-Drywall Primer] or [Bonding Primer]

2 Coating: TRUE 2500®

3.8 FINISH STYLE/COLOR SCHEDULE

Utilize this Section to specify styles and colours if not indicated on drawings or in the room finish schedule.

A Color/Finish No. [Surface No.]: TRUE 2500®- [Color No.]

B Color/Finish No. [Surface No.]: TRUE 2500®- [Color No.]

C Color/Finish No. [Surface No.]: TRUE 2500®- [Color No.]

END OF SECTION