

SPECIFICATIONS

PART 1 – PAINTING SPECIFICATIONS

1. ENVIRONMENTAL TEMPERATURES

Do not paint or finish in unclean or improperly ventilated areas. Do not paint in temperatures lower than 10 degrees Celsius or varnish in temperatures lower than 18 degrees Celsius.

2. PROTECTION

1. Provide metal pans or adequate tarpaulin to protect floors in areas assigned for the storage and mixing of paints.
2. Use sufficient drop cloths and protective coverings for the full protection of floors, furnishings, and work not being painted.
3. Leave above areas clean and free from evidence or occupancy upon completion of painting.
4. Protect paint materials from fire and freezing.
5. Keep waste rags in metal drums containing water and remove from building at end of each working shift.

3. GUARANTEE

All work to be done by skilled trades with a minimum of 5 years experience. All work of this section shall be guaranteed against peeling, blistering or not adhering to the painted surface. Corrective work performed under Guarantee shall be to Owner's approval and at no additional cost to Owner. Guarantee shall be effective for a period of two (2) years from date of Substantial Completion.

Note: Where a change in colour is specified all contractors must ensure the existing paint is covered to Owner's satisfaction for the Bid Amount stipulated on the Bid Form. It is the bidder's responsibility to carry a sufficient price to cover existing paint as required.
There will be no additional charges to the Owner for insufficient paint coverage.

4. OPERATING REQUIREMENTS

The Successful contractors must submit a Work Schedule stating the dates the work is to be started and completed at each location. This Work Schedule must be completed for each location. This Work Schedule must be submitted to the Area Plant Manager one week after the contract is awarded. Once the contractor has started work at a Site, the work must be completed in a timely and professional manner. Under no circumstances shall the contractor leave a job half complete.

PART 2 – PRODUCTS

1. MATERIALS

- A. "Top Line" materials only are acceptable. They shall be the best quality of product manufactured by the producer to meet or exceed C.G.S.B. specifications listed in the Paint Materials Standards.
- B. For the purpose of this specification, mainly Dulex products are named to establish the minimum acceptable standard. Top line paints by Glidden, Para, General, Benjamin Moore, Pratt and Lambert, or approved equal will be acceptable.
- C. All products shall be applied to minimum thickness as recommended by the manufacturer and C.G.S.B.
- Note:** Contractor shall in all cases leave on site in a properly sealed can, a minimum of one pail on of each colour of paint.

2. PAINT APPLICATION

1. All Surfaces

All surfaces to be primed using Export 250 Gripper (250).

2. Ceilings

General: Flat 7700 Ultra Hi-hide Flat

3. Walls

Masonry: Semi-gloss Dulux Lifemaster 59211 Int

Drywall: Devflex 4216 Series S/G

Note: 59211 Lifemaster can be used on walls if need to be painted during school hours. No VOC

4. Millwork, Cupboards and Trim – Painted

The exterior surface will include inside edges unless all books and materials are removed. Wash down with tri-sodium phosphate. Sand down. Apply two coats of Acrylic Latex.

5. Millwork, Cupboards and Trim – Varnished

The exterior surface will include inside edges unless all books and materials are removed. Sand down. Apply minimum of one coat of varnish. Water-based S/G polyurethane varnish - varathane

6. Open Shelving

The entire surface is to be painted or varnished as under “millwork, cupboards and trim”. Water-based S/G polyurethane varnish - varathane

7. Windows

Sand down. Apply a minimum of two coat of High-Gloss Enamel

8. Doors and Frames – Wood Painted

Wash down with tri-sodium phosphate. Sand down. Apply two coats Devflex 4216 Series S/G DTM.

Doors and Frames – Wood Varnished

Sand down. Apply a minimum of one coat of varnish. Water-based S/G polyurethane varnish - varathane

Doors and Frames – Hollow Metal

Wash down with tri-sodium phosphate. Sand down. Surfaces to receive minimum of two coats of Devflex 4216 Series S/G DTM.

9. Mechanical and Electrical Equipment not Located in Mechanical or Electrical Rooms

Radiators, convectors, unit ventilators, grilles, electrical distribution panels, fire hose cabinets, exposed piping to receive semi-gloss finish, minimum of one coat or as required for proper coverage. Devflex 4216 Series S/G DTM Covered piping to receive one coat flat finish. Devflex 4210 Series S/G DTM Flat

10. Hand Rails – Wood Varnished

Sand down. Apply polyurethane. Sand lightly. Apply finish coat polyurethane.
Water-based S/G polyurethane varnish - varathane

Hand Rails – Wood Painted

Wash down with tri-sodium phosphate. Sand down. Apply high-gloss enamel.
Sand lightly. Apply finish coat of high-gloss enamel. Devflex 4216 Series S/G DTM.

**** Hand Rails – Metal**

Wash down with tri-sodium phosphate. Spot prime as required. Apply minimum two coats of high-gloss 15 Line EnviroGuard or as required for proper coverage. Devflex 4216 Series S/G DTM. *Note: can be 4208 Devflex if gloss needed*

11. Steel Lockers

Wash down with TSP. Sand down. Apply 2 coats of high gloss 16 Line EnviroGuard.
Devflex 4216 Series S/6 GTM.

12. Metal Washroom Partitions

Sand down. Spot prime. Minimum of two coat of enamel, hand applied. Apply finish coat of Urethane clear. Paint used must be very hard and fast drying industrial type paint. (15 Line EnviroGuard). Devflex 4216 Series S/G DTM.

13. Acoustic Tile Ceilings or Walls (only applicable if specifically indicated on drawing)

(Not in Contract) Flat Devflex 4020 for Ceilings – flat/primer
Devflex 4216 for Walls

14. Exterior Painting of Portable Classroom

Entire exterior surface of Portable to be painted.

Remove any and all loose paints and spot prime as needed.

- All exterior metal siding: Stonnington Beige 1550N Weatherguard Ext. Latex
- All Wood: stairs, stoops, railings, ramps, boardwalks, etc.
1556N Shubui Brown Weatherguard

3. MATERIALS

1. All paints and related materials shall be of best quality, conforming to present day standards and meet the requirements of the C.G.S.B.

2. The Contractor must submit the name of product manufacturer and certificate showing compliance to above standards.
3. Thinners and cleaners as recommended by paint manufacturer.
4. The Board reserves the right to have a chemical analysis performed on any paint or varnish being used.
5. All materials shall be delivered to the building in their original unbroken containers bearing the brand and makers name. The presence of any unauthorized materials on site shall be deemed sufficient cause to reject and have removed all materials on site.
6. Paint shall be mixed in accordance with manufacturers specifications.

PART 3 – EXECUTION

1. GENERAL

A room or area denoted on the drawings to be painted, unless otherwise noted, is deemed to include repainting of all previously painted walls, doors and frames both sides, window frames, decorative trims, radiator covers, outsides of cabinetry/cupboards, all open shelving, and stair risers and stringers, for a complete job as applicable within the space, following the specifications. Colour for repainting is to match existing paint colour unless otherwise noted. Painting of exterior doors includes painting of doors and frames, both sides, unless otherwise noted.

2. PREPARATION OF SURFACES PRIOR TO PAINTING

1. Remove dust, wax and grease with Trisodium Phosphate (TSP), rinse surface thoroughly with clean water and allow to dry prior to painting.
2. Where sanding is required it shall be with the wet sanding method.
3. Where existing paint is flaking or peeling, remove using the following procedure:
 - i. Spray area with water
 - ii. Remove loose, scaling paint by scraping and sanding while continually spraying dull glossy surfaces by wet sanding.
 - iii. When using wet sanding the surface and paper shall be kept wet at all times. Dust shall not be made under any circumstances. The floor and surrounding areas shall be protected at all times by means of either a disposable drop sheet or plastic. The workers shall wear rubber gloves during surface preparation.
 - iv. Remove mildew with bleach and clean water; ensure surface is dry prior to painting.

- v. Fill cracks and large voids in block work by caulking, repainting or other approved methods; spot prime these areas before applying overall coat of paint.
- vi. Repair damaged or dented surfaces in drywall and plaster with shackling compound or other appropriate measures; sand these areas flush with adjacent surface; for best results, spot prime with an Acrylic Primer Sealer before applying overall coat of paint.
- vii. Contractors shall adhere to the proposed regulation respecting lead in paint on construction projects.
- viii. Contractors shall adhere to the regulation respecting lead under the Occupational Health and Safety Act, Revised Statutes of Ontario, 1980 Chapter 321, Ontario Regulation 843. As amended by Ontario Regulation 519/92.
- ix. All drop sheets, sanding material and gloves shall be placed in a sealed garbage bag and disposed of daily off site and not in the Board's garbage bin on site.

3. APPLICATION OF PAINT

1. All coats shall be of the proper consistency and well applied to show the minimum of brush or roller marks. Varnish and enamel finish coat shall be uniformly flowed on with brush. All brushes or other equipment shall be clean and good condition. Remove all electrical outlet plates and hardware, escutcheons or plates before painting and replace properly.
2. **All surfaces shall receive a minimum of two finish coats unless otherwise specified. Prime coats not included. All areas to be primed with X-pert 250 Gripper Latex Primer before painting and where possible tinted to half finish colour and then receive a minimum of two finish coats of Dulux Lifemaster Interior Acrylic Latex, of chosen finish colour.** All coats shall be thoroughly dry before the succeeding coat is applied.
3. All surfaces shall receive one prime coat before finish coats are applied. All work where a coat of material including primer has been applied must be inspected and approved by the Board's Representative before the application of the succeeding specified coat, otherwise no credit for the coat applied will be given, and the Contractor automatically assumes the responsibility to re-coat the work in question. The painting Contractor will notify the applicable Board's Representative when a particular coat is completed for inspection. Each inspection must be completed by the Board representative before the next coat is applied. Failure to complete this process will result in non-payment.
4. Both sides, tops, bottoms and edges of exterior doors shall be painted or varnished to match face of doors.

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5. Exterior painting shall not be done while the surface is damp, or during rainy or front weather (below 50 degrees F).
6. Exterior painting shall not be done while the surface is damp, or during rainy or frost weather (below 50 degrees F).
7. Painting coats as specified are intended to cover surfaces perfectly; if the surfaces are not covered further costs shall be applied, at no addition to the contract sum.
8. All surfaces in the designated areas, previously painted or urethane are to be repainted or re-urethane. Coating procedures remain as noted in the main specification.
9. All knots, pitch streaks and sappy spots shall be first touched up with shellac before paint or enamel. All necessary puttying of nail holes, cracks, joints, etc., shall be done after the first coat, with putty of a colour to match that of the finish. Putty shall be brought flush with adjoining surface in a neat and work like manner. Interior block joints shall be full and smooth before priming. Concrete block surface and edge irregularities shall be repaired before filler. Concrete blocks shall be filled with masonry latex block filler except where thermoplastic coating is used, and specifications require a different base.
10. Temperature of space in building where painting is being done or where it is drying shall be maintained above 50 degrees F.
11. All work shall be done by skilled trades' people in a quality work like manner. All materials shall be applied under adequate illumination, including filler on concrete block. Wood and steel surfaces may be brushed, masonry surfaces shall be rolled. All materials shall be evenly brushed or rolled and be free of sags, runs, crawls, or other defects.
12. Upon completion of the work, all paint and varnish spots shall be removed from the floors, sash, fixtures, hardware, glass and other surfaces. All empty paint cans, brushes, rollers, rags and accumulated materials shall be removed from the school site daily and shall not be disposed of in the garbage receptacles at the school. Work areas are to be left clean and in an orderly condition, that is acceptable to the Board's Representative.

4. DRAWINGS

ST. STEPHEN C.S.S.	FIRST FLOOR
ST. ELIZABETH C.E.S.	FIRST FLOOR SECOND FLOOR
ST. JOHN C.E.S.	BASEMENT FIRST FLOOR FIRST FLOOR PLAN SECOND FLOOR PLAN
ST. CATHERINES C.E.S.	FIRST FLOOR PLAN
ST. PETER C.S.S.	SITE PLAN FIRST FLOOR PLAN SECOND FLOOR PLAN
ST. MARTIN C.E.S.	FIRST FLOOR PLAN
ST. PAUL C.E.S.	FIRST FLOOR PLAN
ST. MARY C.S.S.	FIRST FLOOR SECOND FLOOR
ST. MICHAEL C.E.S.	FIRST FLOOR SECOND FLOOR
ST. MARY C.E.S.	SITE PLAN

PREVIEW
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