PART 1 - GENERAL

1.1 REFERENCES

.1 ASTM International.

- .1 ASTM D395-03(2008), Standard Test Methods for Rubber Property - Compression Set.
- .2 ASTM D412-06ae2, Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers-Tension.
- 3 ASTM F1066-04(2010)e1, Standard Specification for Vinyl Composition Floor Tile.
- .4 ASTM F1265-03a(2008), Standard Test Method for Resistance to Impact for Resilient Floor Tile.
- .5 ASTM F1700-04(2010), Standard Specification for Solid Vinyl Floor Tile.
- .6 ASTM F1861-08, Standard Specification for Resilient Wall Base.
- .7 ASTM F2055-10, Standard Test Method for Size and Squareness of Resilient Floor Tile by Dial Gage Method.
- .8 ASTM F2199-09, Standard Test Method for Determining Dimensional Stability of Resilient Floor Tile after Exposure to Heat.

1.6 SAMPLES

.1 Submit samples in accordance with Sections 01 33 00.

PART 2 - PRODUCTS

2.1 MATERIALS

.1 Vinyl composition tile: to ASTM F1066, Class 2 mottled, asbestos free, 305 x 305 x 3.17 mm.

.2 Resilient base: to ASTM F1861, Type TP rubber thermoplastic, 100 mm high.

.3 Primer, cement, and seam adhesive: type recommended by flooring and base manufacturer to suit substrate and installation, Ecologo certified.

.4 Vinyl composite tile adhesive: zero VOC, low odour,

.5 Sub-floor filler: premixed latex modified cement mixed with water to produce cementitious paste.

.6 Wax and sealer: type recommended by flooring manufacturer.

PART 3 - EXECUTION

3.1 SUB-FLOOR TREATMENT

.1 Remove ridges and bumps.

.2 Apply sub-floor filler to low spots and cracks to achieve floor level to a tolerance of 1:500, allow to cure.

.3 Prepare and seal porous and powdery concrete surfaces in accordance with flooring manufacturer's written instructions.

.4 Remove dust, old adhesive, paint, dirt, wax, sealer and foreign matter from existing surfaces.

3.2 PREPARATION AND INSTALLATION

.1 Maintain room and material temperature at approximately 20°C for 3 days before laying, and minimum 2 days after laying.

.2 Prepare floor and install flooring in accordance with flooring manufacturer's instructions.

.3 Roll surface with 45 kg roller.

.4 Wrap around straight base at external corners.

3.3 CLEANING AND WAXING

.1 Clean, seal and wax to manufacturer's instructions.

END

PART 1 - GENERAL

1.1 REFERENCES

.1 Painting Specifications Manual, Master Painters Institute (MPI), 2010.

.2 CAN/CGSB-85.100-93, Painting.

1.2 SUBMITTALS

.1 Submit product data and manufacturer's installation/application instructions for each paint and coating product to be used in accordance with the requirements of Section 01 33 00.

.2 Submit gray range colour sample chips for review and selection. Indicate where colour availability is restricted. Indicate gloss.

.3 Submit WHMIS MSDS - Material Safety Data Sheets for paint and coating materials in accordance with Section 01 33 00.

.4 Upon completion, submit records of products used. List products in relation to finish system and include the following:
- .1 Product name, type and use (i.e. materials and location).
- .2 Manufacturer's product number.
- .3 Colour code numbers.
- .4 Environment Canada Ecologo classification.
- .5 Manufacturer's Material Safety Data Sheets (MSDS). Indicate VOC's in g/L.

1.3 ENVIRONMENTAL CHOICE PROGRAM

.1 Provide paint products bearing the 'Ecologo' of the Environmental Choice Program, Department of the Environment, Canadian Environmental Protection Act, Environmental Choice Product Guidelines CCD-047A - Paints, CCD-048 - Surface Coatings - Recycled Water-borne.

.2 Submit written proof in the form of CSA Certification Reports of Certification under the Environmental Choice Program in accordance with Section 01 33 00 when requested. Alternatively, material in original containers bearing the 'Ecologo' will satisfy this requirement.

1.4 INTERIOR PAINT GLOSS TERMS

.1 Gloss terms: to ASTM D523-08 shall have following values:

GlossTerm	**Gloss Value**
Flat	0 to 10
Eggshell (Satin)	15 to 25
Semi-Gloss	45 to 55
Gloss, medium	60 to 80
Gloss, high	80 to 90.

1.5 QUALITY CONTROL

.1 Conform to latest MPI requirements for interior painting work including preparation and priming.

.2 Materials (primers, paints, coatings, varnishes, stains, lacquers, fillers, thinners, solvents, etc.) shall be in accordance with MPI Painting Specification Manual "Approved Product" listing and shall be from a single manufacturer for each system used.

.3 Other paint materials such as linseed oil, shellac, turpentine, etc. shall be the highest quality product of an approved manufacturer listed in MPI Painting Specification Manual and shall be compatible with other coating materials as required.

.4 Retain purchase orders, invoices and other documents to prove conformance with noted MPI requirements when requested by Departmental Representative.

.5 Standard of Acceptance:

.1 Walls: No defects visible from a distance of 1000 mm at 90° to surface.

.2 Ceilings: No defects visible from floor at 45° to surface when viewed using final lighting source.

.3 Final coat to exhibit uniformity of colour and uniformity of sheen across full surface area.

1.6 VENTILATION

.1 Ventilate area of work by use of approved portable supply and exhaust fans. Provide continuous ventilation during and after application of paint.

PART 2 - PRODUCTS

2.1 INTERIOR MATERIAL AND SYSTEM

.1 Gypsum Board: gypsum wallboard, drywall, "sheet rock type material", etc.

.1 INT 9.2B –High Performance Architectural Latex finish over latex sealer.

PART 3 – EXECUTION

3.0 GENERAL

.1 Perform preparation and operations for interior painting in accordance with MPI Painting Specifications Manual except where specified otherwise.

.2 Apply paint materials in accordance with paint manufacturer's written application instructions.

3.1 SURFACES PREPARATION

.1 Clean and prepare surfaces in accordance with MPI Painting Specification Manual requirements. Refer to MPI Manual in regard to specific requirements and as follows:

.1 Remove dust, dirt, and other surface debris by wiping with dry, clean cloths.

.2 Wash surfaces with a biodegradable detergent and clean warm water using a stiff bristle brush to remove dirt, oil and other surface contaminants.

.3 Rinse scrubbed surfaces with clean water until foreign matter is flushed from surface.

.4 Allow surfaces to drain completely and allow to dry thoroughly.

.5 Prepare surfaces for water-based painting, water-based cleaners should be used in place of organic solvents.

.6 Sand and dust between coats as required to provide adequate adhesion for next coat and to remove defects visible from a distance up to 1000 mm.

3.2 APPLICATION

.1 Paint items as specified and/or indicated on drawings and schedules.

.2 Brush and Roller Application:

.1 Apply paint in a uniform layer using brush and/or roller of types suitable for application.

.2 Work paint into cracks, crevices and corners.

.3 Paint surfaces and corners not accessible to brush using spray, daubers and/or sheepskins. Paint surfaces and corners not accessible to roller using brush, daubers or sheepskins.

.4 Brush and/or roll out runs and sags, and over-lap marks. Rolled surfaces shall be free of roller tracking and heavy stipple unless approved by Departmental Representative.

.5 Remove runs, sags and brush marks from finished work and repaint.

.3 Apply coats of paint as a continuous film of uniform thickness. Repaint thin spots or bare areas before next coat of paint is applied. Apply one coat primer and two finish coats.

.4 Allow surfaces to dry and properly cure after cleaning and between subsequent coats for minimum time period as recommended by manufacturer.

.5 Sand and dust between coats to remove visible defects.

.6 Finish surfaces both above and below sight lines as specified for surrounding surfaces, including such surfaces as tops of interior cupboards and cabinets and projecting ledges.