

Part 1 General

1.1 SECTION INCLUDES

- .1 Materials and installation of resilient sheet flooring and floor base in Bedrooms and Corridors.

1.2 RELATED SECTIONS

- .1 Section 01 33 00 – Submittal Procedures
- .2 Section 01 61 00 – Common Product Requirements
- .3 Section 01 74 19 - Construction/Demolition Waste Management And Disposal
- .4 Section 01 78 00 - Closeout Submittals

1.3 SAMPLES

- .1 Submit samples in accordance with Section 01 33 00.
- .2 Submit duplicate 300 x 300 mm sample pieces of sheet material, and 300 mm long base.

1.4 CLOSEOUT SUBMITTALS

- .1 Provide maintenance data for resilient flooring for incorporation into manual specified in Section 01 78 00.

1.5 DELIVERY, STORAGE AND HANDLING

- .1 Comply with requirements specified in Section 01 61 00.
- .2 Storage and protection:
 - .1 Deliver and store materials and components undamaged, and in original containers with manufacturer's labels and seals intact.
 - .2 Store materials and components in designated areas elevated off the ground and protected from damage, inclement weather and construction activities.

1.6 SITE CONDITIONS

- .1 Maintain air temperature and structural base temperature at flooring installation area above 20° for 48 hours before, during and 48 hours after installation.
- .2 Do not commence with installation of resilient flooring products until substrate and jobsite conditions are acceptable.
- .3 Do not commence with installation until Work has been sufficiently advanced, whereby Work yet to be performed will not adversely affect installation of resilient flooring.

1.7 WASTE MANAGEMENT AND DISPOSAL

- .1 Separate and recycle waste materials in accordance with Section 01 74 19.
- .2 Remove from site and dispose of packaging materials at appropriate recycling facilities.
- .3 Collect and separate for disposal paper, plastic, corrugated cardboard, and other packaging material in appropriate on-site bins for recycling in accordance with Waste Management Plan.
- .4 Do not dispose of unused adhesive materials into landfill. Divert materials to municipal hazardous materials facility.

Part 2 Products

2.1 MATERIALS

- .1 Resilient flooring: 2 mm thick homogeneous PVC to match existing; mottled pattern; blue color to match existing, with final selection by Departmental Representative; acceptable product:
 - .1 Polyfloor 2000 manufactured by Polyflor Ltd.
- .2 Resilient base: continuous, top set, complete with premoulded end stops and external corners:
 - .1 Type: rubber.
 - .2 Style: coved.
 - .3 Thickness: 3.2 mm.
 - .4 Height: 102 mm.
 - .5 Lengths: cut lengths minimum 2400 mm.
 - .6 Color: dark blue to match existing, with final selection by Departmental Representative.
- .3 Flooring seam heat welding material (rod): PVC type recommended by flooring manufacturer to suit application; color to match existing, with final selection by Departmental Representative from manufacturer's full range.
- .4 Adhesives: type recommended by flooring and base manufacturers to suit application, and capable of permanently securing components in place.
- .5 Primers: types recommended by flooring and base manufacturers to suit substrate and application.
- .6 Sealer for resilient flooring: of type recommended by flooring manufacturer to suit application.
- .7 Sub-floor filler and leveller: white premix latex requiring water only to produce cementitious paste, or other type recommended by flooring manufacturer for use with their product

Part 3 Execution

3.1 SITE VERIFICATION OF CONDITIONS

- .1 Ensure concrete floors are clean and dry by using test methods recommended by flooring manufacturer.

3.2 PREPARATION

- .1 Clean and prepare substrate surfaces.
- .2 Fill and level minor depressions, hollows, cracks and holes using sub-floor filler and leveller compound. Apply and cure in accordance with manufacturer's recommendations.
- .3 If necessary, based on manufacturer's directions, prime substrate surfaces prior to installation. Apply primers in accordance with manufacturer's recommendations. Protect applied primers from excessive foot traffic.

3.3 FLOORING INSTALLATION

- .1 Install flooring in accordance with manufacturer's directions. Install to match layout existing flooring..
- .2 Only use adhesives recommended and approved by flooring manufacturer.
- .3 Lay flooring with pattern running in the same direction from Corridors to Bedrooms.
- .4 Install flooring in maximum roll width and length, with minimum number of joints.
- .5 Apply adhesive by notched trowel, followed by a roller or other tool to knock down trowel ridges and eliminate them from telegraphing through to installed flooring surfaces. Flooring that exhibits notched trowel markings after installation will be rejected and must be replaced to satisfaction of Departmental Representative.
- .6 Apply adhesive in sufficient coverage to ensure full adhesion of flooring to substrate.
- .7 Install flooring parallel to walls. Make joints straight, flat, and flush with adjacent work.
- .8 Scribe flooring to projections through floor, door thresholds, and existing flooring to produce tight fitting joints. Flash flooring into floor drains.
- .9 Butt joints of sheet flooring in a manner to allow for proper sealing.
- .10 Roll out flooring in a manner to expel all air bubbles and to ensure full adhesion. Roll out flooring in both directions.
- .11 Seal joints in flooring using welding thread (rod):
 - .1 Form joints uniform in width and appearance.
 - .2 Form joints flush, well adhered in place, watertight, and free of peaking or projections.

3.4 BASE INSTALLATION

- .1 Install base on walls and toe-kick of floor mounted cabinets.
- .2 Do not commence with installation until all work is complete, except final (last) coat of paint on walls and ceilings.
- .3 Install base in full bed of adhesive using full spread notched trowel.
- .4 Lay out base without joints, except at inside wall corners.
- .5 Cut, fit and scribe base neatly at corners, to tight fitting tolerances. Wrap base around outside corners.
- .6 Keep joints tight and well fitted.
- .7 Install base straight and level, to variation of maximum 1:1000.

3.5 CLEANING

- .1 Remove excess adhesive from floor, base and wall surfaces without damage.
- .2 Clean, seal and wax floor and base surface to flooring manufacturer's printed instructions.

3.6 PROTECTION

- .1 Keep all traffic off flooring for a 24 hour period after installation, or longer as required for adhesive to set fully.
- .2 Protect newly installed flooring subject to damage from construction activities with temporary sheet coverings.

END OF SECTION