

PART - 1 GENERAL

1.1 SUMMARY

.1 Section Includes:

.1 Labour, Products, equipment and services necessary to complete the work of this Section.

1.2 QUALITY ASSURANCE

.1 Install work of this Section straight and level to variation of 1:1000.

.2 Maintenance seminars: Provide, to the Owner, training seminars and recommendations on Product maintenance procedures.

.3 Pre-installation meeting: Two weeks prior to commencing work of this Section, arrange for manufacturer's technical representative to visit the site and review preparatory and installation procedures to be followed, conditions under which the work will be done, and inspect the surfaces to receive the work of this Section. Advise the Consultant of the date and time of the meeting.

.4 Manufacturer's site inspection: Have the manufacturer's technical representative inspect the Work at suitable intervals during application and at conclusion of the work of this Section, to ensure the Work is correctly installed. When requested, submit manufacturer's inspection reports and verification that the work of this Section is correctly installed.

.5 Products: Provide like Products from same production run. Install Products in sequence from sequentially numbered dye lots.

.6 Testing of concrete floors: Test floors that have been cured for minimum 28 days, and after preparation for Product installation is complete and patching or levelling compound is fully cured. Conduct testing simultaneously on floors free of sealer, curing compounds, oil, grease and other agents detrimental to the test and the Product performance, and in strict conformance with test kit manufacturer's written instructions. Locate test sites to cover representative installation areas. Do not proceed with work when the test results do not conform to the specified allowable.

.1 Moisture vapour emission: Maximum 3 lbs of moisture per 1000 sq.ft. per 24 hour for vinyl and rubber sheet flooring and 5 lbs of moisture per 1000 sq.ft. for vinyl composite tile. Test floors to ASTM F1869 using anhydrous calcium chloride method. Provide 3 test sites for floor area up to 1000 sq.ft., add one test site for each additional 1000 sq.ft. or fraction thereof.

.2 Alkalinity: Acceptable range of 5 to 9 on the pH scale. Test floors using distilled water and pH paper. Provide 2 tests for every moisture vapour emission test.

1.3 SUBMITTALS

.1 Samples: Duplicate full size 300 mm x 300 mm sheet flooring.

.2 Maintenance data: Incorporation in project record manual.

1.4 EXTRA STOCK

.1 Provide 2% of each type and colour of materials installed. Store the extra materials at locations as directed by the Owner. Extra stock shall be of same production run as installed materials. Include cost of extra stock in the Contract Price.

1.5 ENVIRONMENTAL REQUIREMENTS

.1 Maintain air temperature and structural base temperature at flooring installation area above 20 degree C for 48 hours before, during and for 48 hours after installation.

PART - 2 PRODUCTS

2.1 MATERIALS

- .1 Basis of Design – Resilient Flooring Products: Refer to Section 00 01 30, List of Materials for complete list of products, designations, manufacturers, and colours.
 - .1 Products by other manufacturers similar in function, design, performance, and construction complying with requirements of this Section may be incorporated into the Work subject to Consultant's acceptance.
- .2 Integral flash cove base: Provide integral flash cove base by extending sheet flooring 150mm up the vertical surfaces using adhesive, welding rod, and accessories recommended and approved by the flooring manufacturer.
 - .1 Provide a fillet support strip for integral cove base with a minimum radius of 2.54cm of wood or plastic.
- .3 Welding rod: Compatible with resilient sheet flooring and recommended by the flooring manufacturer, colour as indicated.
- .4 Primers and adhesives: Nontoxic, odourless, waterproof type, recommended by flooring manufacturer for specific material on applicable substrate, above, at or below grade.
- .5 Sub-floor filler and leveller: White premix latex requiring water only to produce cementitious paste.
- .6 Metal edge strips: Extruded aluminum, smooth, polished with lip to extend under floor finish, shoulder flush with top of adjacent floor finish.
- .7 Sealer and polish: As recommended by flooring manufacturer.

PART - 3 EXECUTION

3.1 PREPARATION

- .1 Prepare subfloor smooth, level, true, sound and free of cracks, holes and other defects, in accordance with flooring manufacturers' recommendation.

3.2 INSTALLATION - RESILIENT SHEET FLOORING

- .1 Apply adhesive uniformly using recommended trowel. Do not spread more adhesive than can be covered by flooring before initial set takes place.
- .2 Lay flooring to produce a minimum number of seams. Locate seams acceptable to the Consultant. Run sheets in direction of traffic.
- .3 Continuously machine weld seams with welding rods using methods and equipment in accordance with manufacturer's printed instructions.
- .4 As installation progresses, and after installation, roll flooring with 45 kg minimum roller to ensure full adhesion.
- .5 Cut flooring neatly around fixed objects.
- .6 Continue flooring over areas which will be under built-in furniture.
- .7 Continue flooring through areas to receive movable type partitions without interrupting floor pattern.
- .8 Terminate flooring at centreline of door in openings where adjacent floor finish or colour is dissimilar.
- .9 Install metal edge strips at unprotected or exposed edges where flooring terminates.

- .10 Provide carpet/flooring adapter at interface of carpet and work of this Section, straight and true. Where carpet/resilient flooring interface occurs at doorway, locate adapter underneath door in its closed position.
- 3.3 **INSTALLATION - BASE**
- 3.4 Provide integral flash cove wall base, including cove fillet support strip and top edge cove cap moulding. Construct flash cove base in accordance with the flooring manufacturer's instructions. Treat all seams in the flash cove area the same as seams throughout the rest of the installation.
- 3.5 Securely adhered cove cap mouldings to the wall utilizing the manufacturer's recommended adhesive. Roll cove cap mouldings with a J-hand roller after installation, to ensure proper bonding.
- 3.6 **CLEANING**
 - .1 Remove excess adhesive from floor, base and wall surfaces without damage.
 - .2 Clean, seal and polish floor to flooring manufacturer's instructions.
- 3.7 **PROTECTION**
 - .1 Protect flooring from damage until final inspection.
 - .2 Prohibit traffic on floor for 48 hours after installation.

END OF SECTION