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Part 1 General**1.1 RELATED SECTIONS**

- .1 Division 01 – General Requirements.

1.2 REFERENCES

- .1 American Society for Testing and Materials (ASTM International)
 - .1 ASTM F1303-04 (2014), Standard Specification for Sheet Vinyl Floor Covering with Backing.
- .2 State of California's South Coast Air Quality Management District (SCAQMD)
 - .1 SCAQMD Rule 1168-05, Adhesives and Sealants Applications.

1.3 SAMPLES

- .1 Submit duplicate 300 x 300mm sample pieces of sheet material, 300mm long base, nosing, feature strips, treads, edge strips.

1.4 CLOSEOUT SUBMITTALS

- .1 Provide maintenance data for resilient flooring for incorporation into manual specified in Section 01 00 10 - General Instructions.

1.5 EXTRA MATERIALS

- .1 Provide 2% extra materials of all Rubber base.

1.6 ENVIRONMENTAL REQUIREMENTS

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

1.7 WASTE MANAGEMENT AND DISPOSAL

- .1 Separate and recycle waste materials in accordance with Section 01 00 10 - General Instructions.
- .2 Do not dispose of unused sealant and adhesive materials into landfill. Divert materials to municipal hazardous materials depot approved by Departmental Representative.
- .3 Divert unused metal and wiring materials from landfill to metal recycling facility approved by Departmental Representative.
- .4 Remove from site and dispose of packaging materials at appropriate recycling facilities.
- .5 Collect and separate for disposal paper, plastic, polystyrene, corrugated cardboard packaging material in appropriate on-site bins for recycling in accordance with Waste Management Plan.

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1.8 WARRANTY

- .1 Refer to Section 01 00 10 – General Instructions.

Part 2 Products**2.1 MATERIALS**

- .1 Resilient base: continuous, top set, complete with premoulded end stops and external corners:
 - .1 Type: rubber.
 - .2 Style: cove.
 - .3 Thickness: 3.17mm.
 - .4 Height: 102.4mm.
 - .5 Lengths: cut lengths minimum 2400mm.
 - .6 Colour: selected by Departmental Representative.
- .2 Primers and adhesives: of types recommended by rubber base manufacturer for specific material on applicable substrate, above, grade. VOC content of 50g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24)
- .3 Sub-floor filler and leveller: to be trowel able, non-shrinking, water-resistant, alkali resistant, mould resistant, cementitious two component compound consisting of liquid latex and Portland cement supplied by the same manufacturer. Minimum compressive strength of 20 MPa after 28 days.
- .4 External corner protectors: stainless steel, refer to drawings for locations and sizes.
- .5 Edging to floor penetrations: stainless steel, type recommended by flooring manufacturer.

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 Remove sub-floor ridges and bumps. Fill low spots, cracks, joints, holes and other defects with sub-floor filler, only as required to install floor base.
- .2 Clean floor and apply filler; trowel and float to leave smooth, flat hard surface. Prohibit traffic until filler cured and dry.
- .3 Prime concrete slab to resilient flooring manufacturer's printed instructions.

3.3 APPLICATION: BASE

- .1 Lay out base to keep number of joints at minimum.

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- .2 Clean substrate and prime with one coat of adhesive.
- .3 Apply adhesive to back of base.
- .4 Provide neat silicon joint along top of cove base.
- .5 Set base against wall and floor surfaces tightly by using 3kg hand roller.
- .6 Install straight and level to variation of 1:1000.
- .7 Scribe and fit to door frames and other obstructions. Use premoulded end pieces at flush door frames.
- .8 Use rolled goods for base. Cut base pieces continue the length of wall. If cut piece to be used, no piece shorter than 2400mm.
- .9 Cope internal corners. Use premoulded corner units for right angle external corners. Use formed straight base material for external corners of other angles.
- .10 Heat weld base in accordance with manufacturer's printed instructions.

3.4 CLEANING

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

3.5 PROTECTION

- .1 Protect base from after cleaning until final inspection.
- .2 Prohibit traffic on floor for 48 hours after installation.

END OF SECTION