1.0 GENERAL

1.1 Related UBC Guidelines

.1 Section 09 00 10 Finishes – General Requirements
.2 Section 10 00 10 Special Room Requirements

1.2 Description

.1 Waterproof membrane flooring and base to be applied at all Mechanical Rooms (see 2.1.1.2), Penthouses, and similar locations where leaks in building systems may occur and cause water damage, such as to floors below. Chosen system to have been specifically designed for this purpose.

.2 Waterproof traffic topping as corrosion protection for all concrete parking slabs. Chosen system to have been specifically designed for this purpose.

1.3 Quality Control and Assurance

.1 Submittals
   .1 MSDS data sheets; installation instructions.
   .2 Sample, to include base upturn; color samples for selection.
   .3 Maintenance data and instructions.

.2 Quality Assurance
   .1 Manufacturer licensed applicator.

.3 Quality Control
   .1 Strictly conform to Manufacturer written instructions, including preparation of substrates.

2.0 MATERIALS

2.1 Performance Requirements

.1 Membrane Flooring for Mechanical Room Floors
   .1 Urethane elastomeric solvent-free liquid-applied seamless waterproof flexible flooring, extended up to a suitable uniform height. System typically consists of a primer, primary coating, and colored top coat. Min. 40 mil dry thickness. Suggested manufacturers are Sika, BASF, and Tremco.

   .2 Provide a seamless cove base trowelled in place, minimum 6” high. Flooring to be installed after as per manufacturer's recommendations. Ensure both cove material and flooring system are from the same supplier.

.2 Membrane Flooring for Main Electrical Room Floors
   .1 Water-based epoxy floor coating with slip resistance incorporated into the floor finish such as sand granules or the equivalent.

   .2 Acceptable product is Armorseal 8100, satin finish or equivalent.
.3 Pedestrian Traffic Coating
   .1 A waterproof traffic coating consisting of a flexible, liquid applied, elastomeric membrane topped with a liquid applied polyurethane wearing course containing hard aggregates and a urethane topcoat.
   .2 The system to be totally water-proof, flexible and thermally compatible with the concrete substrate under applicable service conditions. The system to exhibit zero chloride permeability when tested in accordance with the test procedure developed by the Portland Cement Association.
   .3 Finished surfaces to be skid resistant, wet or dry.

.4 Vehicular Traffic Coating
   .1 Provide traffic coating at exterior concrete slabs at loading bays which are over occupied space below.
   .2 A modified polyurethane three-coat traffic deck coating system to be used.
   .3 Waterproofing system to have complete adhesion, extreme impact and abrasion resistance along with chemical stability. The elastomeric properties of the system components should enable the complete assembly to give and work with the concrete slab, bridging the shrinkage cracks. Additionally, the system should protect the concrete from the damaging effects of water, de-icing salts, chemicals, gasoline, oils and anti-freeze.

2.2 Environmental
   .1 Life Cycle Costing
      .1 25-Year.

***END OF SECTION***