SECTION 07260  
AIR-VAPOUR MEMBRANE

# GENERAL

## Related Work

### Comply with Division 1 – General Requirements and all other Specification Divisions, including:

#### Section 07200 - Insulation.

## Inspection

### Inspect areas which are to receive the work of this Section and do not proceed until unsatisfactory conditions are corrected.

## Delivery, Storage, and Handling

### Deliver all air/vapour barrier membrane and accessory materials to the site in original and unopened packaging with the manufacturer’s labels intact.

### Protect materials stored on site from precipitation, ground moisture, temperature extremes and mechanical damage.

## Measurement and Payment

### All costs associated with the work of this Section shall be included in the price(s) for Item No(s). \_\_\_ in the Bid Form.

## Shop Drawings

### Submit shop drawings in accordance with Section 01330 – Submittal Procedures.

### Submit product data sheets.

## Environmental Requirements

### Do not install solvent curing sealants or vapour release adhesive materials in enclosed spaces without ventilation.

### Maintain temperature and humidity recommended by materials manufacturer before, during and after installation.

# PRODUCTS

## Materials

### Vapour Barrier Membrane (roof) shall be shall be SOPRAVAP’R manufactured by SOPREMA and conforming to CAN/ULC-S126; a SBS modified bitumen, self-adhering type, complete with tri-laminated polyethylene facer on the upper surface and a release film on the lower surface, and having the following physical properties:

#### Thickness: 0.8 mm (31 mils) min.

#### Air permeability (ASTM E2178): <0.001 L/s.m²

#### Low temperature flexibility (ASTM D5147): < - 30 ºC (< - 35°F)

#### Water vapour permeance (ASTM E96, Procedure B): < 2.5 ng/Pa.s.m² (< 0.04 perm)

### Primer for self-adhering vapour barrier membranes: as recommended by the vapour barrier membrane manufacturer.

### Spray-applied wall insulation is to act as wall vapour barrier. System to be c/w associated transition/TWF membranes.

# EXECUTION

## Inspection of Surfaces

### Examine surfaces to which membrane is to be applied to ensure that they are smooth, clean, dry and free of surface irregularities, voids, coatings or other conditions which would adversely affect the installation of the membrane.

### Do not proceed with application of the air/vapour barrier membrane until all unsatisfactory conditions have been corrected.

## Preparation of Surfaces

### Apply primer to all surfaces receiving self-adhered membrane in accordance with the manufacturer’s written instructions.

## Vapour Barrier Membrane

### Apply self-adhering vapor barrier membrane complete and continuous to prepared and primed substrate in an overlapping shingle fashion and in accordance with manufacturer's recommendations and written instructions. Stagger all vertical joints.

#### Prime surfaces as per manufacturers’ instructions and allow drying.

#### Align and position self-adhering vapor barrier membrane, remove protective film and press firmly into place. Ensure minimum 75mm overlap at side laps and 150mm overlap at end laps.

#### All end laps on steel deck shall be supported by a metal plate.

#### Roll all laps and membrane with a counter top roller to ensure seal.

### All penetrations through vapour barrier shall be sealed to ensure a continuous vapour barrier envelope.

### Lap roof vapour barrier at perimeter with wall transition membrane and seal to ensure continuity of envelope.

END OF SECTION