

SECTION 07531 - EPDM MEMBRANE ROOFING**PART 1 - GENERAL****1.1 SECTION REQUIREMENTS**

- A. Submittals: Shop Drawings of tapered insulation.
- B. Exterior Fire-Test Exposure: ASTM E 108, Class A.
- C. Warranties: Manufacturer's standard form, without monetary limitation, signed by roofing manufacturer agreeing to repair leaks due to defects in materials or workmanship for period of 15 years.

PART 2 - PRODUCTS**2.1 ROOFING MATERIALS**

- A. EPDM Sheet: ASTM D 4637, Type I, nonreinforced 60 mils (1.5 mm) thick; black.
 - 1. Products:
 - a. Johns Manville; .060 FMXT
- B. Auxiliary Materials: Recommended by roofing system manufacturer for intended use and as follows:
 - 1. Sheet Flashing: 60-mil- (1.5-mm-) thick EPDM.
 - 2. Seaming Material: Synthetic-rubber-polymer primer and 3-inch- (75-mm-) wide minimum, butyl splice tape with release film.

2.2 ROOF INSULATION

- A. Polyisocyanurate Board Insulation: ASTM C 1289, Type II; tapered.
- B. Fabricate tapered insulation with slope of 1/4 inch per 12 inches (1:48) unless otherwise indicated.
- C. Install over protection board (basis-of-design: DuraGuard Fireguard) on low roof as shown on drawings.

PART 3 - EXECUTION**3.1 INSTALLATION**

- A. Mechanically fasten each layer of insulation to roof deck.
- B. Install EPDM sheet according to roofing system manufacturer's written instructions and as follows:

1. Adhered Sheet Installation: Apply bonding adhesive to substrate and underside of sheet and allow to partially dry. Do not apply bonding adhesive to splice area of sheet.
- C. Seams: Clean and prime splices areas, applying splice tape, and firmly roll side and end laps of overlapping sheets. Seal exposed edges of sheet terminations.
- D. Install sheet flashings and preformed flashing accessories and adhere to substrates. Protect roofing from damage and wear during remainder of construction period.
- E. Correct deficiencies in or remove and reinstall roofing and sheet flashing that does not comply with requirements.

END OF SECTION 07531