

SECTION 467—HEAVY DUTY MEMBRANES

467.1 DESCRIPTION—This work is placing heavy duty membranes over transverse and longitudinal joints and random cracks in existing concrete pavements at locations indicated or directed by the Representative.

467.2 MATERIAL—

(a) **Heavy Duty Membrane.** As listed in [Bulletin 15](#) and include the certification specified in [Section 106.03\(b\)3](#) with each shipment.

(b) **Asphalt Cement, Class PG 64-22 or PG 58-28.** [Section 702](#)

467.3 CONSTRUCTION—

(a) **General.** Provide a copy of the manufacturer's written installation instructions.

(b) **Surface Preparation.** Remove dirt and debris from all joints and cracks that will be under the membrane. Fill joints or cracks over 6 mm (1/4 inch) wide flush to the surface with PG 64-22 or PG 58-28. Before placing the membrane, ensure the pavement is sound, dry, and free of any debris or deteriorated and loose materials and prepare the surface according to the manufacturer's recommendations.

Do not apply heavy-duty membranes to milled surfaces.

(c) **Primers or Binders.** If required, apply primer or binder material according to the manufacturer's recommendations, including temperature requirements.

(d) **Membrane Placement.** Place the membrane according to the manufacturer's recommendations including temperature and equipment requirements. Unless otherwise specified by the manufacturer, place the membrane approximately centered over the joints and cracks. Slit the membrane and overlap the edges of wrinkles over 10 mm (3/8 inch) in width that cannot be smoothed out.

Securely bond the edges and corners of the strips to the surface. Before placing the overlay, re-bond or replace strips with loose edges or corners.

(e) **Traffic Control.** Before paving, the Contractor may only allow traffic on the membrane during the 7 calendar-day period immediately after placing the membrane.

467.4 MEASUREMENT AND PAYMENT—Square Meter (Square Yard)