

SECTION 5.22
ELASTOMERIC COMPRESSION SEAL

5.22.01--Description: Under this item the Contractor shall furnish and install elastomeric compression seal with a lubricant-adhesive in joints as shown, dimensioned and detailed on the plans, or as ordered by the Engineer.

5.22.02--Materials: The materials for this work shall conform to the requirements of Article M.17.02.

5.22.03--Construction Methods: The Contractor shall arrange to have a representative of the manufacturer knowledgeable in the methods of installation present at the time of the first installation. The Contractor shall also arrange to have the representative of the manufacturer present at such other times as the Engineer may require.

Shop Drawings: Before fabricating any materials, the Contractor shall submit shop drawings to the Engineer for approval in accordance with Subarticle 1.05.02-3. These drawings shall include but not be limited to the following information: The complete details of the method, materials and equipment proposed to be used in the installation operation. These drawings shall also indicate the name of the manufacturer, complete details of the compression seal and method of notching at bends where necessary. Notching details shall show length and depth of notch.

Joint Preparation: Where the concrete has spalled, cracked or chipped adjacent to the joint, the Contractor shall make the necessary repairs with an approved material to the satisfaction of the Engineer and at no additional cost to the State. Immediately before placing the compression seal, the entire joint shall be thoroughly cleaned of all scale, loose concrete, dirt, dust and foreign matter to the satisfaction of the Engineer. The portion of the joint outside of the traveled way, including the mall and all curb areas shall be masked sufficiently on each side of the joint to prevent the lubricant-adhesive from coming in contact with the exposed surfaces.

Installation: The compression seal shall be furnished and installed continuous in length for the full length of the transverse joint as shown on the plans. Cutting shall be performed in accordance with the methods and procedures as indicated on the shop drawings.

The compression seal shall be installed by special hand or machine tools in the joint with the lubricant-adhesive after the concrete in curb areas adjacent to the joint has cured. The lubricant-adhesive shall be applied to the sides of the joint or to the sides of the compression seal or to both such that the full area in contact between the compression seal and the joint shall be covered with the lubricant-adhesive.

Immediately prior to installation, the compression seal shall be wiped with a suitable solvent to remove any dirt, dust, protective coating or any foreign matter. The compression seal shall be installed in a compressed condition and shall at all times be recessed to the depth indicated on the plans. The sides of the compression seal shall be fully in contact with the sides of the joint and the "V" section of the top of the compression seal shall be folded so that it projects inwards towards the inner web sections. Any lubricant-adhesive on the top of the compression seal shall be removed immediately.

Any compression seal that is punctured or ruptured shall be removed in its entirety and replaced by the Contractor at no additional cost to the State.

5.22.04--Method of Measurement: This work will be measured for payment by the actual number of meters of elastomeric compression seal, of the various widths, installed and accepted.

5.22.05--Basis of Payment: This work will be paid for at the contract unit price per meter for "Elastomeric Compression Seal" of the various widths, complete in place, which price shall include all material including lubricant-adhesive, splicing, equipment, tools, and labor incidental thereto.

Pay Item	Pay Unit
(Size) Elastomeric Compression Seal	m