

ITEM 427

JOINT SEALANT FOR BRIDGES

427.1 Description. This item shall govern for the furnishing and installation of joint sealant materials, to be placed in bridge structure joints for the purpose of preventing the passage of water and other materials through the joint.

427.2 Materials. The joint seal shall be a low modulus silicone, conforming to TxDOT's DMS-6310, latest edition, Class 7, of Table 1. The size shown on the plans shall be the nominal width of the seal. The depth of the seal shall be greater than the width.

Joint Types can be: concrete to concrete, steel to armored, and header type.

The manufacturer shall furnish certification as to compliance with the physical requirements of TxDOT's DMS-6310.

427.3 Submittal. The manufacturer shall submit certification that the sealant proposed for installation is of the size, configuration and meets the Silicone material properties specified in TxDOT's DMS-6310, of Table 3, for a Class 7 silicone joint sealant.

427.4 Construction Requirements. Just prior to installing the seal, the joint faces shall be abrasive blast cleaned, and blown out with high pressure air. The joint sealant shall be installed into the joint opening with an approved installation tool as recommended by the manufacturer. Installation by hammering, use of sharp tools or stretching of the seal will not be permitted.

427.5 Measurement. For each size of sealant specified, measurement will be made by the linear foot, along the centerline of the joint and at the surface of the bridge structure.

427.6 Payment. Payment shall be made at the contract unit price bid per foot, for the size of sealant specified.

There are line code(s), description(s), and unit(s) for this item.

END OF ITEM 427