



# City of Galveston

## Engineering Department

[engineering@galvestontx.gov](mailto:engineering@galvestontx.gov) | (409) 797 - 3644 | [www.galvestontx.gov](http://www.galvestontx.gov)

Fibercrete joints for new construction shall be:

A. BOARD EXPANSION JOINT MATERIAL: Filler board of selected stock. Use wood of density and type as follows:

1. Clear, all-heart cypress weighing no more than 40 pounds per cubic foot, after being oven dried to constant weight.
2. Clear, all-heart redwood weighing no more than 30 pounds per cubic foot, after being oven dried to constant weight.

Fibercrete joint sealing and repair shall be with:

B. JOINT SEALING COMPOUND (Seal joints only when surface and joints are dry, ambient temperature is within manufacturers' recommendations and weather is not foggy or rainy)

1. Joint sealing compound shall be self-leveling Low Modulus Silicone sealant single component meeting the requirements of TxDOT Specification 433.2, Class 5.
2. Joint sealing equipment shall be in first-class working condition. Use concrete grooving machine or power-operated wire brush and other equipment such as plow, brooms, brushes, blowers or hydro or abrasive cleaning as required to produce satisfactory joints.
3. Clean joints of loose scale, dirt, dust and curing compound. Term joint includes wide joint spaces, expansion joints, dummy groove joints or cracks, either preformed or natural. Remove loose material from concrete surfaces adjacent to joints.
4. Fill joints neatly with joint sealer to depth shown. Pour sufficient joint sealer into joints so that, upon completion, surface of sealer within joint will be 1/4 inch below level of adjacent surface or at elevation as directed.

C. EXPANSION JOINTS

1. Place 3/4-inch expansion joint boards. Shape board filler accurately to cross section of fibercrete slab.

D. CONTRACTION JOINTS

1. Foam backer rods shall be installed in contraction joints.

E. JOINTS FOR FIBERCRETE adjacent to CURB AND GUTTER

1. Place 3/4-inch preformed expansion joints through curb and gutters at locations of expansion and contraction joints in pavement; at end of radius returns at street intersections and driveways; and at curb inlets
2. Provide 3/4-inch expansion joints conforming to ASTM A1751 along and across sidewalk at back of curbs, at intersections with driveways, steps, and walls; and across walk. Provide expansion joint material conforming to ASTM D994 for small radius curves and around fire hydrants, meter boxes etc.

