system. A floor drain shall be provided adjacent to the fixture, and the fixture shall be connected on the sewer side of the floor drain trap, provided that no other drainage line is connected between the floor drain waste connection and the fixture drain. The fixture and floor drain shall be trapped and vented as required by this code.

TABLE 7-2
Discharge Capacity in Litres per Second For Intermittent Flow Only

L/sec.	L/sec.
0.5 to 1.0	Equals 2 Fixture Units
1.0 to 2.0	Equals 4 Fixture Units
2.0 to 3.2	Equals 6 Fixture Units

Note: Discharge capacity exceeding 3.2L/s (50 gpm) shall be determined by the Authority Having Jurisdiction.
SI: 1L/s = 15.85 gpm

705.0 Joints and Connections.

705.1 Types of Joints.

705.1.1 ABS Plastic Pipe and Joining Methods. The joining methods for ABS plastic pipe and fittings shall comply with the following:

(1) Solvent cement joints for ABS pipe and fittings shall be clean from dirt and moisture. Pipe shall be cut square and shall be deburred. Where surfaces to be joined are cleaned and free of dirt, moisture, oil and other foreign material, solvent cement complying with ASTM D 2235 or equivalent International Standard(s) approved by the Authority Having Jurisdiction shall be applied to all joint surfaces. Joints shall be made while both the inside socket surface and outside surface of pipe are wet with solvent cement. Hold joint in place and undisturbed for 1 minute after assembly. Universal or multi-purpose solvent cement shall be prohibited. Solvent cement joints shall be installed in accordance with the manufacturer's instructions.

(2) Mechanical joints shall be installed in accordance with the manufacturer's instructions. Such joints shall be designed to provide a permanent seal and shall be of the mechanical or push-on-joint.

(3) Threaded joints shall be installed in accordance with the manufacturer's installation instructions. Molded threads on adapter fittings for transition to threaded joints shall be permitted. The joint between the pipe and transition fitting shall be of the solvent cement type.

705.1.2 Polyolefin Plastic Pipe and Joints. Polyolefin plastic pipe and fittings joining methods shall comply with the following:

(1) Heat-fusion joints between polyolefin pipe and fittings shall comply with ASTM D2657, ASTM F1290 or equivalent International Standard(s) approved by the Authority Having Jurisdiction and shall be assembled using butt-, socket- and electro-fusion heat methods.

Butt-fusion joints shall be made by heating the squared ends of two pipes, pipe and fitting, or two fittings by holding ends against a heated element. The heated element shall be removed where the proper melt is obtained and joined ends shall be placed together with applied force. Butt-fusion joints shall be installed in accordance with the manufacturer's instructions.

Socket-fusion joints shall be made by simultaneously heating the outside surface of a pipe end and the inside of a fitting socket. Where the proper melt is obtained, the pipe and fitting shall be joined by inserting one into the other with applied force. The joint shall fuse together and remain undisturbed until cool. Socket-fusion joints shall be installed in accordance with the manufacturer's instructions.

Electro-fusion joints shall be made by embedding the resistance wire in the fitting and supplying with an electric source. Pipe shall be clamped in place and power applied through a controlled processor. The material surrounding the wire shall be melted along with the pipe and shall provide the pressure required for fusion. Electro-fusion joints shall be installed in accordance with the manufacturer's instructions.

(2) Mechanical and compression joints shall be installed in accordance with the manufacturer's instructions.

705.1.3 PVC Plastic Pipe and Joining Methods. The joining methods for PVC plastic pipe and fittings shall comply with the following:

(1) Solvent cement joints for PVC pipe and fittings shall be clean from dirt and moisture. Pipe shall be cut square and pipe shall be deburred. Where surfaces to be joined are cleaned and free of dirt, moisture, oil and