



Galaxy Plastics Ltd.

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PVC Drain Basins

Specification

Drain basins shall be manufactured from PVC pipe stock utilizing thermoforming and solvent welding to obtain the desired configuration.

All connections to the basin shall be watertight and any connections made with an elastomeric seal shall meet or exceed the requirements of ASTM D3212 and or ASTM F477. Outlets from the Drain Basin shall meet or exceed the requirements of ASTM D3034 PSM type Sewer, ASTM F667 Corrugated PE, ASTM F794 Profile PVC and or ASTM F2306 Corrugated Profile wall PE.

Drain basin stubs shall be located at various angles as required on the engineering drawings with there being a minimum angle between any inlet and the outlet pipe. Drain Basin stubs can be either PVC Sewer Bell, Dual wall corrugated Hub (PVC or HDPE) and/or PVC Schedule 40. Blank Basin provided with EZ-Tee connections can also be provide with the stub connections drilled on site.

Drain Basin sumps shall be a minimum of 150 mm (6 in) and a maximum of 600 mm (24 in) depending upon the design drawings.

For Traffic loads a concrete slab is to be poured around the frame and grate with the slab being a minimum of 200 mm (8 in) and 450 mm (18 in) from the edge of the Frame and Grate. Actual slab design must be calculated by the Design Engineer for the project based upon local conditions and proposed traffic loading.

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