



Code Explanation	
Product Code	Socketed one end
550-200-5 SOE	
OD (mm)	Length (metres)



550 Series

Iplex FARMTUFF™ is a smooth bore PVC-U culvert pipe intended for stormwater culverts under farm access roads and raceways. Its relatively light weight makes handling and installation easier, compared to alternative heavier weight culvert materials.

Features and Benefits

Smooth Bore	FARMTUFF Culvert’s smooth bore supports flow performance and function at low gradients
Structural Stiffness	FARMTUFF Culvert’s PVC-U solid wall construction, gives it structural stiffness, for long-term buried performance
Fittings	FARMTUFF Culvert is compatible with commercially available injection moulded and fabricated PVC stormwater, fittings to assist with greater flexibility of use.
Choice of sizes	FARMTUFF Culvert is available in seven diameters allowing a degree of choice to match the performance requirement.
Coupling	FARMTUFF Culvert is supplied with an integral socket on each pipe for solvent cement jointing
Material	FARMTUFF Culvert is manufactured from PVC-U, a plastic material which is impact resistant, rust proof, abrasion resistant, and durable for in-ground service.
Light weight	FARMTUFF Culvert’s solid wall PVC-U construction makes it relatively light weight to handle and install compared to alternative heavier weight culvert pipes
Quality System	FARMTUFF Culvert is manufactured in New Zealand by Iplex Pipelines using a Quality Management System accredited to AS/NZS ISO 9001:2015
Identification	FARMTUFF Culvert has marking printed externally at regular intervals on each pipe to support product identification
Recycled PVC-U	FARMTUFF Culvert contains significant proportions of recycled PVC-U material derived during production and from other local sources within New Zealand

Product Range

Farmtuff Product Range

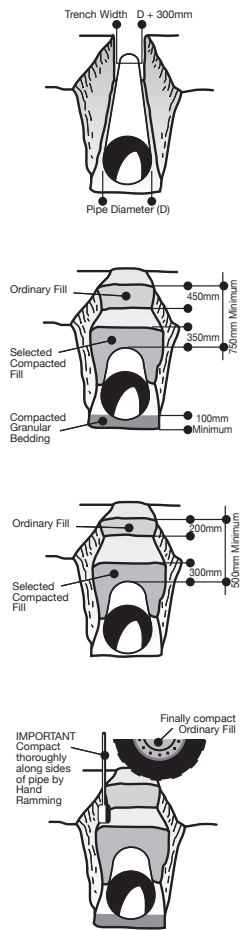
Product Code	Nominal OD (mm)	Length available		
		3m	5m	6m
550.110	110		✓	✓
550.160	160		✓	✓
550.200	200	✓	✓	✓
550.250	250	✓	✓	✓
550.315	315	✓	✓	✓
550.400	400	✓	✓	✓
550.500	500	✓	✓	✓



Typical location of Iplex Farmtuff PVC culvert under a farm vehicle-access raceway, with bunded support walls to protect the bedding and backfill fill from erosion, around the pipe entry and exit positions.

Installation Instructions

Important for the correct performance of Iplex FARMTUFF™ PVC-U Culvert Pipe



Excavation

When digging a trench, ensure that the width of the trench at the top of the pipe is no greater than necessary to allow the bedding and side fill to be properly placed and compacted. As a rule, 300mm wider than the pipe is normally sufficient. This will minimise loading on the buried pipe.

Culverts Under Roads, Farm Tracks and Raceways

Compacted granular bedding material is preferred in the particle size range 5mm to 20mm. Suitable granular materials include scoria, pumice, river gravel, sandstone or limestone. The minimum depth of the cover for PVC culverts under roads, farm tracks, raceways, etc. should be 750mm.

Culverts Under Areas Not Subject to Traffic or Heavy Stock Movement

Selected excavation fill may be used as bedding. It should be substantially free from rock, tree roots or rubbish. Wet or saturated clay should not, under any circumstances, be used as bedding or surround material. The minimum depth of cover should be 500mm.

Compaction of Bedding

Iplex FARMTUFF™ Culvert pipes use their flexibility to transfer load to the surrounding bedding. One purpose of the bedding is to ensure longitudinal support to the pipe. Another purpose is to provide lateral support to the pipe and increase its load capacity. Thorough compaction of the fill along the pipe is important to ensure long, trouble free service from your FARMTUFF™ Culvert pipe. Fill should be carefully compacted by hand ramming along the sides and around the pipe, and built up to the finished ground surface.

Extra considerations

It's a good idea to project the end of the culvert pipe out from the surface of filled earth face (suggested 300-500mm) to prevent erosion of the fill. In hilly country, fluming is recommended to guard against surface erosion from culvert discharge.

Note: FARMTUFF™ Culverts are not approved for Local Authority stormwater or gravity sewer applications.



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