

SMOOTH BORE DRAINAGE PIPE TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS FOR ENGINEERS

Supply and laying of double-wall corrugated PE pipe made by continuous co-extrusion of the two walls, with equidistant slots of variable size, position and number, distributed throughout the circumference, located at the between two consecutive corrugations, manufactured by a company with UNI EN ISO 9001:2008 certification and UNI EN ISO 14001:2004 environmental certification.

The pipe is black and packed in 25/50 metre rolls and fitted with a coupling.

It has a much greater resistance to UV rays than the traditional materials available on the market (artificial ageing test by exposure to UV radiation for 5000 hours, according to standard EN1297). The benefits deriving from this can be seen above all during the storage phase, both in the warehouse and on site, when dealers and installing companies sometimes require to store the goods in the open for long periods of time, with the risk that the colour and quality of the material will deteriorate.

Slotted Milford coils for draining systems have a green liner on the inside for easy recognition and to identify their use.

GENERAL CHARACTERISTICS

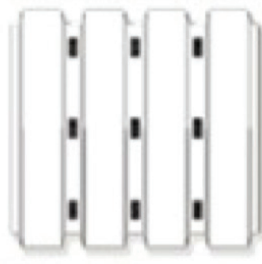
- **Design** Double-wall corrugated pipe, black with green on the inside and slots.
- **Application** Agricultural and civil drainage.
- **Crush Resistance** 300N/m with 5% deformation of the internal diameter (measured according to IEC EN 50086-2-4/A1 (IEC 23-46;V1)).
- **Radius of Bending** 15 times the external diameter.
- **Standard Packaging** 50m coils.
- **Accessories** Couplings.
- **Installation** Underground.
- **Type Testing Physical Tests**
- **Melt Flow Rate** According to ISO 1133: Condition 1T (test parameter: 190°C/5kg/10mins) on raw materials of both walls.
- **Density** According to ISO 1183: (test temperatures: 23°C) on pipe and on raw materials of both walls.
- **Tests of Conformity Visual Inspection** According to UNI ISO 4582 sections 3-4.
- **Marking** Clearing visible product code printed longitudinally in ink every 3 metres along pipe.
- **Dimensions** Mean external diameter (OD), minimum internal diameter (ID).
- **Crush Resistance** According to IEC EN 50086-2-4.
- **Operating Limits** -50°C/+60°C.TION Underground

Detail from Ø63 to Ø125



Type 1 slots

Detail from Ø160 to Ø200



Type 2 slots

PRODUCT CODE	P63-050SB	P75-050SB	P90-050SB	P110-050SB*	P125-050SB	P160-050SB	P200-025SB
Min DN/OD (mm)	63	75	90	110	125	160	200
Min ID (mm)	50	60	73	92	105	137	171
Thickness at the perforation (mm)	1.3	1.4	1.5	1.5	1.5	1.5	1.5
Corrugations per linear metre	140	111	111	99	99	66	50
Holes per groove	3	3	3	3	3	6	6
Holes per linear metre	210	167	167	149	149	198	150
Angle between adjacent holes	60°	60°	60°	60°	60°	60°	60°
Crushing resistance (N/m)	300	300	300	300	300	300	300
Standard Coil Length (m)	50	50	50	50	50	50	25
Inner/outer wall raw material	PE	PE	PE	PE	PE	PE	PE

*P110-050SB stocked in New Zealand