

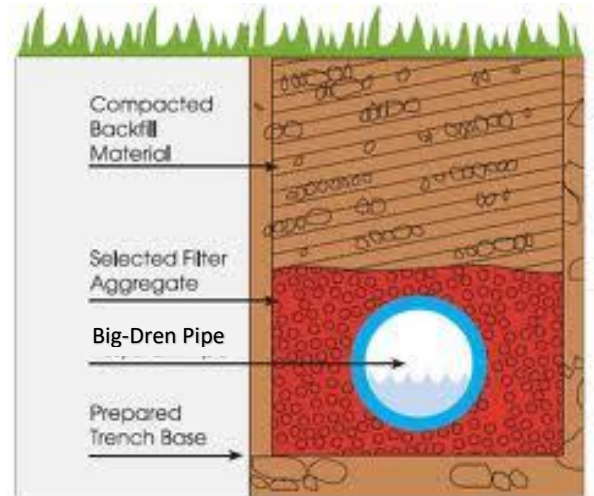
TECHNICAL SHEET – DOUBLE WALL CORRUGATED SUBSOIL DRAINAGE PIPES

BIG-DREN

Corrugated and slotted HDPE Pipes for drainage are the most effective and economical solution to the growing problems of hydrogeological instability, waterlogging of agricultural lands and sport grounds, foundation drainage, fluid capture and water dispersion. Slotted pipes eliminate the need to construct and maintain large drainage basins.

Benefits of BIG-DREN:

- Lightweight and easy to handle;
- Easy to lay;
- Durable, versatile and safe;
- Cost effective.



GENERAL CHARACTERISTICS

DESIGN: Double layer corrugated pipes of black color. The internal layer is smooth to facilitate water flow, while the external layer is corrugated to achieve higher ring stiffness.

APPLICATION: Refer to description above.

CRUSH RESISTANCE: For Big-Dren $\lt; \varnothing 160\text{mm}$: 450N with 5% deformation of the internal layer (measured according to SANS 61386-24-26N). For Big-Dren > 2 with 3% deformation of the internal layer (measured according to SANS 21138-3).

RADIUS OF BENDING: 15 times the external diameter (coils).

PRESENTATION: 50m coils or 6m lengths.

ACCESSORIES: Couplings.

INSTALLATION: Underground.

TYPE TESTING (PHYSICAL TESTS)

MELT FLOW RATE: According to ISO 1133: Condition 1T (test parameter: 190°C / 5 Kg / 10 mins) on raw materials of both walls.

DENSITY: According to ISO 1183: (test temperature: 23°) on the pipe and on raw materials of both walls.

SOUTHERN PIPELINE CONTRACTORS (PTY) LTD (Reg No. 2005/037575/07)

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Director: Louis-Xavier Havard – Company Secretary: Louis-Xavier Havard

CONFORMITY TESTS

VISUAL INSPECTION: According to UNI ISO 4582 sections 3-4. The product is marked with a clearly visible product code printed longitudinally every 3 meters along the pipe.

DIMENSIONS: Mean external diameter (de), minimum internal diameter (dim)

CRUSH RESISTANCE: Newton calculation measured according to SANS 61386-24 and 8KN/m² measured according to SANS 21138-3.

OPERATING LIMITS: -50°C to +60°C

TECHNICAL DATA							
Outside Diameter	mm	75	110	160	230	291	417
Inside Diameter	mm	60	92	137	200	250	350
Infiltration area >	mm ² /m	5400 (240°) 6500 (360°)	6500(240°) 8000(360°)	9000(240°) 11000(360°)	17 000 (360°)	24 000 (360°)	28 000 (360°)
Nominal slot Width	mm	1.3	1.8	1.8	2	2	2
N° slots per corrugation		2-3*	2-3*	5-6*	8	8	8
Slot coverage	°	240, 360	240, 360	240, 360	360	360	360
Length supplied	m	6	6	6	6	6	6
Ring Stiffness		>450 N	>450 N	>450 N	8kn/m2	8kn/m2	8kn/m2
Coil Supplied	m	50	50	50			
Ring stiffness		>450 N	>450 N	>450 N			

*minimum slots value it is referred to BigDren with 240° slotting, while higher value is referred to 360° slotting.

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