

Drainex Pipe

GEOSYNTHETIC SOLUTIONS **



Drainex drainage pipe has an innovative double wall sandwich construction, with a corrugated outer wall and a smooth inner wall. This combines high ring stiffness with excellent flow characteristics. Rows of water in-take slots are symmetrically arranged around the apex of the pipe (240° - 270°) with a flow channel at the bottom (120° - 90°). The high infiltration area combined with thin inner wall structure ensures optimum water intake. The slots are protected in the valleys of the corrugated structure which reduces the possibility of blockage. The smooth core with an extremely low roughness coefficient results in greater flow rates, allowing the utilisation of smaller diameter pipes. Drainex is manufactured in coils and lengths to the highest quality standards and are joined by push fit couplings.

SPECIFICATIONS

Effective as at: 17.10.2017

Physical Properties:		Units	DN 75	DN 110	DN 160	Test Method
Duct Colour			Black			
Demarcations			Single longitudinal coloured stripe showing top of pipe			
Inside Bore of Duct			Smooth, free of blisters			Visual inspection
Material			HDPE			
Material Density		g/cm ³	≥940			ISO 1183
Material MFI	190°C/2.16kg	g/10min	0.45			ISO 1183
Material Tensile Strength	@ Yield	MPa	27			ISO 527
	@ Ultimate	MPa	36			ISO 527
Min Bending Radius	Pliable	mm	250	350	450	SANS 61386-24
	Rigid	mm	1 400	2 500	4 000	
Outside diameter		mm	75	110	160	SANS 61386-24
Inside diameter		mm	63	95	137	To tolerance
Internal Coefficient of Friction			<0.3			
Resistance to Compression			Type 450			SANS 61386-24
Resistance to Impact			Normal Duty			SANS 61386-24
Nominal Slot Width		mm	1.3	1.3	1.8	
Infiltration area		mm ² /m	>2 500	>5 000	>5 000	
Storage Temperature		°C	From - 20 to + 60			
Installation Temperature		°C	From - 10 to + 40			
Sizes			25m/50m coils or 6m lengths with coupling*			

* Type and appearance of PVC coupling may differ regionally.

The information contained in this publication is provided in good faith and to the best of our knowledge is true and accurate. Fibertex South Africa reserves the right to make technical modifications to their products without notice.



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