WEIDALINE®

DOUBLEWALL SUBSOIL DRAINAGE PIPE

ADVANTAGES

- *High Flow Capacity*
- *Smooth Inner Layer*
- *Economical and cost effective*
- *High Impact Strength*
- *Corrosion Resistant*
- *Abrasion Resistant*
- *Light Weight*
- *Flexibility*
- *Long Length and Full Range of Fittings*
- *Fast and Easy Installation*
- *Easy Handling and Transport*

***NOW** available in Coil form*
**100mm & 150mm ONLY*

According to Manual Saliran Mesra Alam Malaysia (MSMAM), subsoil drainage system are provide to drain away subsurface water. It is essential to:

- Increase the stability of the ground and footings of buildings and road construction.
- Lower the water tables
- Alleviate groundwater pressures
- Increase soil strength in road construction.
- Reduce the hydrostatic and hydrodynamic pressure in road construction and retaining

To achieve the above objetives, Weidaline Doublewall Subsoil Drainage Pipe has provided an effective and cost saving system compared to tradisional pipe such as concrete porous pipe

Weidaline Doublewall Subsoil Drainage Pipe are made from new material that are tough, has high strain and chemicals resistance which will ensure many years of trouble free for service.

STANDARDS
DIN 16961 : PART 1&2
Thermoplastics Pipes and Fittings with Profiles Outer and Smooth Inner Surface

Extensive Network WEIDA

CERTIFIED QUALITY MANAGEMENT SYSTEMS ISO 9001:2015

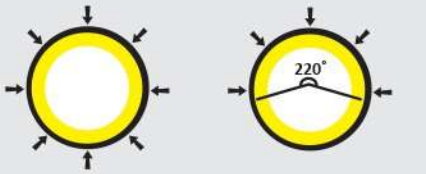
BEST QUALITY BEST QUALITY BEST QUALITY Since 1983

Weidaline Doublewall Subsoil Drainage Pipe is available in both perforated and non-perforated form. It's corrugated outer profile profile and smooth inner profile produces high flow capacity to suit variety of drainage applications.

PEREFORATIONS

The perforations of Weidaline Doublewall Subsoil Drainage with DIN 4262-1. It is uniformly slotted in rows at the valley of corrugations to maximise the water entrance area. Therefore, the area of perforations are more than 50cm²/m. It has 2 types of perforations:

- fully perforated
- partially perforated.

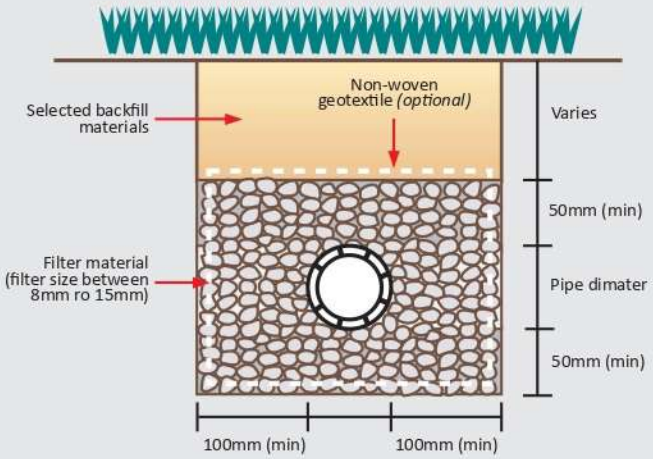


Fully Perforated Partially Perforated

FILTER MATERIAL

Filter material must be coarse sand with maximum size 20mm. In condition where there are fine sand or coarse silt soils, non-woven filer fabric may be used by wrapping it around the filter material.

TYPICAL TRENCH DESIGN



To engineering specifications

TYPICAL SPACING AND DEPTH

SOIL TYPE	EFFECTIVE SPACING (M)	DEPTH (M)
SAND	12 - 20	1.8 - 2.0
LOAM	8 - 12	1.2 - 1.6
CLAY	2 - 6	0.6 - 1.0

PRODUCT SPECIFICATION

NOMINAL DIAMETER (MM)	OUTSIDE DIAMETER (MM)	INSIDE DIAMETER (MM)	MIN. PERFORATION SIZE (WxL) (MM)	WATER ENTRANCE AREA* (CM² / M)	STANDARD LENGTH	
					METER / LENGTH	METER / COIL
100	120	100	1.2 x 25	55	6M & 12M / LENGTH	50M / COIL
150	175	150	1.7 x 25	51		30M / COIL
225	260	225	3 x 30	76	6M & 12M / LENGTH	
300	350	300	3 x 35	79		
375	445	375	3 x 60	194		
450	525	450	3 x 60	151		
600	695	600	3 x 60	140		
750	892	750	3 x 60	97		

** Area of perforations as according to DIN 4262 part 1 clause 3.7*



FITTINGS


Straight Reducer


Elbow (45° & 90°)


Coupler


End Cap


Tee Branch (Equal & Unequal)


Wye Branch (Equal & Unequal)