



# V-DRAIN W

Functions: Subsoil Drainage

**STRUCTURE:** V-DRAIN W is a narrow-width, composite subsoil drainage system comprising a 2-dimensional extruded High-Density Polyethylene (HDPE) geonet drainage core covered with a Polyester (rPET) nonwoven geotextile.

## DRAINAGE CORE (TeMa-NET)

Raw Material			HDPE		
Mass	Nominal	g/m <sup>2</sup>	500		SANS 9864:2013
Thickness	Under 2kPa	mm	5.0		SANS 9863:2013
Service Temperature	Maximum	°C	75		
In-plane water flow capacity	MD/CMD		MD	CMD	
	Load:	20 kPa	l/s/m	1.76	0.61
		50 kPa	l/s/m	1.65	0.56
		100 kPa	l/s/m	1.56	0.52

EN ISO 12958

## GEOTEXTILE (TeMa-TEX NW2)\*

Type			Continuous Filament, Needle-Punched nonwoven		
Raw Material			Polyester (rPET)		
Thickness	Under 2 kPa	mm	1.4		SANS 9863
Tensile Strength	Weaker Direction	kN/m	9.0		SANS 1525 / EN ISO 10319
	Elongation	mm	50 -70		
Static puncture strength	CBR	kN	1.9		SANS 12236
Puncture Resistance	Diameter	Mm	27		SASN 13433
Normal Throughflow	@50mm head		150		
Flow Velocity	Calculation based on	m/s	0.2		SANS 11058
Permeability	throughflow & Thickness	x10 <sup>-3</sup> m/s	4.2		
Pore Size	O <sub>95</sub> w	micron	170		SANS 12956

## STANDARD DIMENSIONS

Heights (H)**	Std	mm	100, 200, 250, 333
Roll Length	Max.	m	25

\* Other grades of Geotextile (Woven or nonwoven) available on request.

\*\* Non-Standard widths available on request



The information given in this datasheet is to the best of our knowledge true and correct. TeMa SA reserves the right to change its product specifications at any time. It is the responsibility of the specifier and purchaser to ensure that product specifications used for the design and procurement purposes are current and consistent with the products used in each instance.

**Tema South Africa (Pty) Ltd**

Unit 2 Meadowview Office Park, 79 Watt Street, Meadowdale 1609, Gauteng, South Africa

T: +27 (0)72 873 0101

F: +27 (0)86 511 7062

E: [temaSA@temacorporation.com](mailto:temaSA@temacorporation.com)

W: [www.temaSA.co.za](http://www.temaSA.co.za)