



# QDRAIN ZW8 100 12F

Year of last update: 2024



Function: **Drainage**

**STRUCTURE:** drainage geocomposite made by a 3-dimensional, high void ratio monofilaments core heat bonded with two filter geotextiles

## FILTER GEOTEXTILES

				<i>tol</i>
Raw material			<b>PP</b>	
Weight	EN ISO 9864	g/m <sup>2</sup>	<b>120</b>	+/-12
Thickness	EN ISO 9863-1	mm	<b>0,8</b>	±20%
Tensile strength MD/CMD	EN ISO 10319	kN/m	<b>9/9</b>	-1,5/-1,5
Elongation at max load MD/CMD	EN ISO 10319	%	<b>55/60</b>	±25
CBR puncture resistance	EN ISO 12236	N	<b>1400</b>	-140
Cone drop test	EN ISO 13433	mm	<b>33</b>	+6
Water permeability normal to the plane	EN ISO 11058	mm/s	<b>85</b>	-30
Opening size	EN ISO 12956	micron	<b>90</b>	±30

## DRAINAGE CORE

Raw material			<b>PP</b>	
Weight	EN ISO 9864	g/m <sup>2</sup>	<b>1000</b>	+/-10%
Width		m	<b>2-4</b>	+/-3%

## GEOCOMPOSITE

				<i>tol</i>
Weight	EN ISO 9864	g/m <sup>2</sup>	<b>1240</b>	±10%
Thickness	EN ISO 9863-1	mm	<b>9</b>	±1
Tensile strength MD/CMD	EN ISO 10319	kN/m	<b>18/18</b>	-3/-3
Elongation at max load MD/CMD	EN ISO 10319	%	<b>80/80</b>	+/-35

## HYDRAULIC PERFORMANCES

		EN ISO 12958-1	l/(m·s)			<i>±25 %</i>
		<i>Hydraulic gradient</i>	<i>Contact</i>	<i>i = 0,04</i>	<i>i = 0,10</i>	<i>i = 1</i>
	<i>Load: 20 kPa</i>	S/R	0,50	0,90	3,30	
	<i>" 50 kPa</i>	S/R	0,45	0,80	2,90	
	<i>" 100 kPa</i>	S/R	0,40	0,70	2,75	
	<i>" 200 kPa</i>	S/R	0,35	0,60	2,25	
	<i>" 400 kPa</i>	S/R	0,30	0,50	1,80	

S/S: Soft/Soft Contact - S/R: Soft/Rigid Contact - R/R: Rigid/Rigid Contact

## STANDARD DIMENSIONS

				<i>tol</i>
Width		m	<b>2-4</b>	±3%
Length		m	<b>30</b>	±2%

To be covered within one month after installation



The information given in this data sheet is to the best of our knowledge true and correct. TeMa srl 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 design and procurement purposes are current and consistent with the products used in each instance.

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