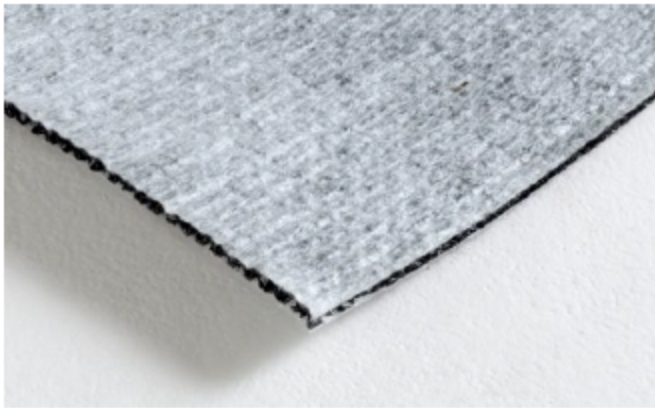




QDRAIN ZW5 40 10F

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

				tol
Raw material			PP	
Weight	EN ISO 9864	g/m ²	100	-10%
Thickness	EN ISO 9863-1	mm	0,65	±20%
Tensile strength MD/CMD	EN ISO 10319	kN/m	6/6	-1/-1
Elongation at max load MD/CMD	EN ISO 10319	%	45/65	±20
CBR puncture resistance	EN ISO 12236	N	1000	-100
Cone drop test	EN ISO 13433	mm	34	9
Water permeability normal to the plane	EN ISO 11058	mm/s	90	-40
Opening size	EN ISO 12956	micron	95	±35

DRAINAGE CORE

Raw material			PP	
Weight	EN ISO 9864	g/m ²	400	+/-10%
Width		m	2-4	+/-3%

GEOCOMPOSITE

Weight	EN ISO 9864	g/m ²	600	±10%
Thickness	EN ISO 9863-1	mm	5,5	±1
Tensile strength MD/CMD	EN ISO 10319	kN/m	12/12	-2/-2
Elongation at max load MD/CMD	EN ISO 10319	%	80/80	+/-35

HYDRAULIC PERFORMANCES

Plane flow capacity MD		EN ISO 12958-1	l/(m·s)			±25 %
	Hydraulic gradient	Contact	i = 0,04	i = 0,10	i = 1	
	Load: 20 kPa	S/R	0,15	0,22	1,10	
	" 50 kPa	S/R	0,07	0,16	0,85	
	" 100 kPa	S/R	0,07	0,15	0,80	

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

STANDARD DIMENSIONS

Width	m	2-4	±3%
Length	m	50	±2%

To be covered within one month after installation

TOLAGO

EST. 2015