



# QDRAIN C20 65 14F

Reference norms: **EN 13252**

Certificate number: **1213-CPD-3910**



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>140</b>	+/-10%
Thickness	EN ISO 9863-1	mm	<b>0,85</b>	±20%
Tensile strength MD/CMD	EN ISO 10319	kN/m	<b>10/10</b>	+/-15%
Elongation at max load MD/CMD	EN ISO 10319	%	<b>60/65</b>	±25%
CBR puncture resistance	EN ISO 12236	N	<b>1600</b>	-160
Cone drop test	EN ISO 13433	mm	<b>29</b>	+6
Water permeability normal to the plane	EN ISO 11058	mm/s	<b>80</b>	-30
Opening size	EN ISO 12956	micron	<b>75</b>	±30

## **DRAINAGE CORE**

		<i>tol</i>		
Raw material			<b>PP</b>	
Weight	EN ISO 9864	g/m <sup>2</sup>	<b>650</b>	+/-10%
Width		m	<b>2-4</b>	±3%

## **GEOCOMPOSITE**

		<i>tol</i>		
Weight	EN ISO 9864	g/m <sup>2</sup>	<b>930</b>	+/-10%
Thickness	EN ISO 9863-1	mm	<b>20</b>	±2
Tensile strength MD/CMD	EN ISO 10319	kN/m	<b>20/20</b>	+/-2
Elongation at max load MD/CMD	EN ISO 10319	%	<b>80/80</b>	+/-35

## **HYDRAULIC PERFORMANCES**

		<i>tol</i>			
Plane flow capacity MD	EN ISO 12958	l/(m·s)			
		<i>i = 0,04</i>	<i>i = 0,10</i>	<i>i = 1</i>	
	<i>Hydraulic gradient</i>				
	<i>Contact</i>				
	Load: 20 kPa	S/R	0,95	1,60	4,20
	" 50 kPa	S/R	0,30	0,45	1,70
	" 100 kPa	S/R	0,10	0,12	0,40

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>20</b>	±2%
Rolls/pallet	n°	<b>4</b>	



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