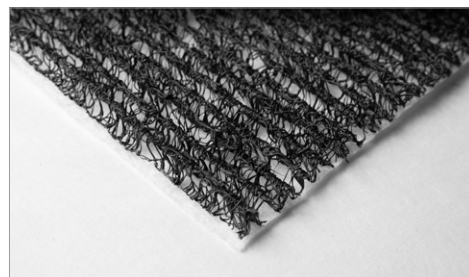


DRAINAGE - FILTRATION SEPARATION

Q-Drain® ZW is a drainage geocomposite consisting in a core made from extruded entangled synthetic PP monofilaments shaped into parallel channels; the geocomposite can be thermally bonded to one or two nonwoven PP geotextile filter layers.

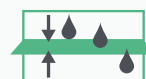


CORE	Extruded monofilaments with parallel channels	
RAW MATERIAL (CORE)	PP	
RAW MATERIAL (GEOTEXTILE)	PP	
N. OF NONWOVEN GEOTEXTILES THAT CAN BE BONDED	0 - 2	
MASS PER UNIT AREA OF THE GEOTEXTILE [EN ISO 9864]	100 - 1200 g/m ²	
MASS PER UNIT AREA OF THE CORE [EN ISO 9864]	400 - 1000 g/m ²	
SMOOTH MEMBRANE	Possible option	
MAX. WATER FLOW CAPACITY IN PLANE (i=1) [EN ISO 12958-1]	3,3 l/(m•s)	
COMPRESSIVE STRENGTH [EN ISO 25619-2]	Up to 500 kPa	
VARIATIONS	ZW5	ZW8
THICKNESS [EN ISO 9863-1]	5 mm	8 mm

FUNCTION



DRAINAGE



FILTRATION



SEPARATION

AREA OF APPLICATION



LANDFILLS



TUNNELS



CONTAMINATED
SITES



MINES



ROADS
RAILWAYS
AIRPORTS

Performance overview

Surface drainage capacity · EN ISO 12958-1 · Soft/Rigid Contact (S/R)

Declared tolerance $\pm 25\%$

Q-Drain® ZW5

Flow rate [l/(m·s)]	p=20 kPa		p=50 kPa		p=100 kPa	
	i=0,1	i=1	i=0,1	i=1	i=0,1	i=1
0 - 1						
1 - 1,5						
1,5 - 2						
2 - 2,5						
2,5 - 3						
>3						

Q-Drain® ZW8

Flow rate [l/(m·s)]	p=20 kPa		p=50 kPa		p=100 kPa	
	i=0,1	i=1	i=0,1	i=1	i=0,1	i=1
0 - 1						
1 - 1,5						
1,5 - 2						
2 - 2,5						
2,5 - 3						
>3						

■ = flow capacity class achieved by the mean value of the product family.

ABOUT US

TeMa is an Italian company specializing in the manufacture of geosynthetic systems for construction, with over 30 years of industry experience.

Solutions provided integrate drainage, waterproofing and mechanical protection into engineered systems for civil works, infrastructure and environmental remediation.

TeMa provides specialized technical support from design through execution, with product certifications in line with the main European and international standards.

INTERNATIONAL PRESENCE

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