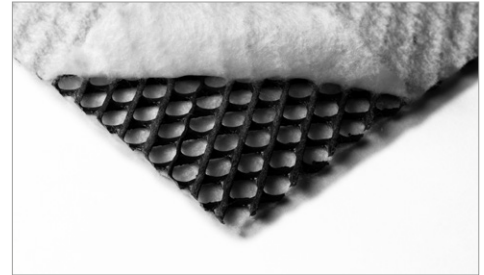


DRAINAGE - FILTRATION SEPARATION

T-Drain is a drainage geocomposite consisting of a three-dimensional HDPE diamond-shaped drainage core, manufactured with two superimposed layers of intersecting and parallel filaments, thermally bonded to up to two polypropylene (PP) nonwoven geotextile filters.

It is specifically designed for drainage applications in landfills and contaminated sites, ensuring high in-plane flow capacity, effective filtration and long-term performance.



MODELS

T-Drain 12F
(geonet + 2 PP NW
geotextiles)
T-Drain 12F TG
(geonet + 1 PP NW
geotextile)
T-Net (geonet only)

THICKNESSES

4,2 - 5,2 - 6 - 7 mm

N. OF NONWOVEN GEOTEX- TILES THAT CAN BE BONDED

0 - 2

MASS PER UNIT AREA OF THE GEOTEXTILE [EN ISO 9864]

100 - 600 g/m²

MASS PER UNIT AREA OF THE CORE [EN ISO 9864]

400 - 800 g/m²

MAX. WATER FLOW CAPACITY IN PLANE (i=1) [EN ISO 12958-1]

2 l/(m•s)

COMPRESSIVE STRENGTH [EN ISO 25619-2]

≤500 kPa

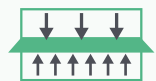
FUNCTION



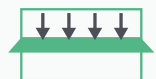
DRAINAGE



FILTRATION



SEPARATION



PROTECTION

AREA OF APPLICATION



LANDFILLS



EARTH
WORKS



CONTAMINATED
SITES



ROADS
RAILWAYS
AIRPORTS



TUNNELS



MINES

Performance overview

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

Declared tolerance $\pm 25\%$

Flow rate [l/(m·s)]	p=20 kPa		p=50 kPa		p=200 kPa		p=400 kPa	
	i=0,1	i=1	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

Italy, Russia, Spain, Turkey, Romania, South Africa, United States.

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