

Membrana Nera GEO



DRAINAGE - FILTRATION SEPARATION - PROTECTION

Membrana nera geo is a PE studded membrane that can be bonded to zero, one or two PP non-woven geotextiles (Membrana Nera, GEO and Double versions).

Due to the presence of the membrane, the composite is able to protect the material on which it is installed and drain liquids and air from the side where the filter element is present.



CORE	Dimple membrane
RAW MATERIAL (MEMBRANE)	PP
RAW MATERIAL (GEOTEXTILE)	PP
THICKNESS [EN ISO 9863-1]	8 mm
N. OF NONWOVEN GEOTEXTILES THAT CAN BE BONDED	0 - 2
MASS OF THE GEOTEXTILE [EN ISO 9864]	100 - 1000 g
MASS OF THE MEMBRANE [EN ISO 9864]	400 - 1000 g
MAX. WATER FLOW CAPACITY IN PLANE (i=1) [EN ISO 12958-1]	2 l/(m·s)
COMPRESSION RESISTANCE [EN ISO 25619-2]	Up to 400 kPa
WIDTH	2 - 4 m

FUNCTION



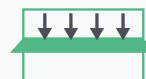
DRAINAGE



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=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

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

TeMa Technologies and Materials s.r.l.

Via dell'Industria, 21 - 31029 Vittorio Veneto (TV) -

Tel. +39 0438 50 31 - Fax +39 0438 50 34 60

www.temacorporation.com - email: info@temacorporation.com