

DECLARATION OF PERFORMANCE

1071-CPR-7027

THRACE N1



1. Product Type:
2. Product Batch:

batch number is provided on the packaging

3. Intended uses:

Intended for

Roads and other trafficked areas
Railways
Earthworks, foundations and retaining structures
Drainage control
Erosion control works
Reservoirs and dams
Canals
Solid waste disposals
Liquid waste containments

Harmonized Technical Specification

EN 13249:2016
EN 13250:2016
EN 13251:2016
EN 13252:2016
EN 13253:2016
EN 13254:2016
EN 13255:2016
EN 13257:2016
EN 13265:2016

Functions

Filtration, Separation, Reinforcement
Filtration, Separation, Reinforcement
Filtration, Separation, Reinforcement
Filtration, Separation, Drainage
Filtration, Separation, Reinforcement
Filtration, Separation, Reinforcement
Filtration, Separation, Reinforcement
Filtration, Separation, Reinforcement
Filtration, Separation, Reinforcement
Filtration, Reinforcement

4. Manufacturer:
5. Contact address:

THRACE NONWOVENS & GEOSYNTHETICS S.A.

Magiko, 671 00, Xanthi, Greece
Tel: +30 210 9875038-50, e-mail: geo@thraceplastics.gr

6. AVCP System:
Last two digits of the year of affixing CE marking:

System 2+
24

7. **SINTEF AS** (Notified Body 1071) performed the initial inspection of the manufacturing plant and of factory production control (FPC) and the continuous surveillance, assessment, and evaluation of the FPC and issued the certificate of factory production control.

8. Declared performance:

Essential Characteristics	Declared Performance				Harmonized Technical Specification
	Declared Value	Tolerance	Unit	Test Standard	
Tensile Strength T_{max} (MD/CD)	6.7/6.7	-0.67/0.67	kN/m	EN ISO 10319	EN 13249:2016 EN 13250:2016 EN 13251:2016 EN 13252:2016 EN 13253:2016 EN 13254:2016 EN 13255:2016 EN 13257:2016 EN 13265:2016
Elongation ϵ_{max} (MD/CD)	36/50	$\pm 7.2/\pm 10$	%	EN ISO 10319	
Resistance to static puncture F_p (CBR)	1.060	-0.106	kN	EN ISO 12236	
Dynamic puncture resistance (cone drop test)	35.2	+8.8	mm	EN ISO 13433	
Characteristic Opening Size (O_{90})	120	± 36	μm	EN ISO 12956	
Water permeability (q_N)	100	-30	$l/(m^2s)$	EN ISO 11058	
In-plane flow capacity (q_p)	NPD	-	$l/(m \cdot s)$	EN ISO 12958	
Durability (Annex B)	To be covered within two weeks after installation. Predicted to be durable for up to 100 years in natural soils with $4 \leq pH \leq 9$ and soil temperatures $\leq 25^\circ C$ and is highly resistant to acidic and alkaline environments, based on a durability assessment (EN ISO 13438, procedure A, mod., 28d in water at $80^\circ C$ followed by 112d in air at $100^\circ C$).				
Dangerous substances (National regulations valid in the EU member states)	Less than required by national regulations in EU member states				

10. The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer:

Konstantinos Emmanouil
Quality Assurance Manager

Magiko, dated as above

THRACE NONWOVENS & GEOSYNTHETICS S.A.

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