

# DECLARATION OF PERFORMANCE

1071-CPR-7027

**S25NW**



1. Product style / 2. Product type:

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. Registered name of the manufacturer:

**THRACE NONWOVENS & GEOSYNTHETICS S.A.**

5. Contact address:

**Magiko, 671 00, Xanthi, Greece**  
**Tel: +30 210 9875038-50, e-mail: [geo@thraceplastics.gr](mailto:geo@thraceplastics.gr)**

6. AVCP System:

System 2+

Last two digits of the year of affixing CE marking:

09

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)                  | 25/25                                                                                                                                                                                                                                   | -3.5/-3.5       | kN/m              | EN ISO 10319  | EN 13249:2016<br>EN 13250:2016<br>EN 13251:2016<br>EN 13252:2016<br>EN 13253:2016<br>EN 13254:2016<br>EN 13255:2016<br>EN 13257:2016<br>EN 13265:2016 |
| Elongation at maximum load $\epsilon_{max}$ (MD/CD) | 65/65                                                                                                                                                                                                                                   | $\pm 15/\pm 15$ | %                 | EN ISO 10319  |                                                                                                                                                       |
| Resistance to static puncture $F_p$ (CBR test)      | 4.3                                                                                                                                                                                                                                     | -0.645          | kN                | EN ISO 12236  |                                                                                                                                                       |
| Dynamic Perforation resistance (Cone drop test)     | 13                                                                                                                                                                                                                                      | +3.2            | mm                | EN ISO 13433  |                                                                                                                                                       |
| Characteristic opening size $O_{90}$                | 70                                                                                                                                                                                                                                      | $\pm 21$        | $\mu m$           | EN ISO 12956  |                                                                                                                                                       |
| Water flow velocity $V_{H50}$ - 50mm head           | 65                                                                                                                                                                                                                                      | -20             | $10^{-3}$ m/sec   | EN ISO 11058  |                                                                                                                                                       |
| Water flow capacity in the plane (HG 1.0 at 20kPa)  | 16                                                                                                                                                                                                                                      | -4.8            | $10^{-4}$ l/m/sec | EN ISO 12958  |                                                                                                                                                       |
| Weathering resistance                               | To be covered within two weeks after installation.                                                                                                                                                                                      |                 |                   | EN 12224      |                                                                                                                                                       |
| Oxidation resistance                                | Predicted to be durable for up to 100 years in natural soils with $4 \leq pH \leq 9$ and soil temperatures $\leq 25^\circ C$ , based on a durability assessment. Minimum tensile strength after EN ISO 13438 procedure A is $\geq 50\%$ |                 |                   | EN ISO 13438  |                                                                                                                                                       |
| Dangerous substances                                | Less than required by national regulations in EU member states                                                                                                                                                                          |                 |                   |               |                                                                                                                                                       |

9. 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

(name and function)

Magiko, 21.11.2022

(place and date of issue)

(signature)

**THRACE NONWOVENS & GEOSYNTHETICS S.A.**

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