

Declaration of Performance no: DoP - 083110 - 11



1. The unique product identification code:

Terasin NS 110 - Nonwoven geosynthetic made of polyester fibers

2. Applications and intended uses: in construction as filtration, reinforcement, separation, drainage, protection and combinations thereof, according to the table below.

EN 13249	EN 13251	EN 13252	EN 13253	EN 13254	EN 13255	EN 13256	EN 13257
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F-Filtration		-	S-Separation		-	-	

3. Manufactured by : **SC MINET SA , Ramnicu Valcea, Valcea County, Depozitelor Street no.12,**

4. Authorized representative; Not applicable

5. System or systems of assessment and verification of constancy of performance: **System 2+**

6.a. Harmonised standards:

- **EN 13249:2016** - Geotextiles and geotextile-related products - Characteristics required for use in the construction of roads and other trafficked areas (excluding railways and asphalt inclusion)

- **EN 13250:2016** - Geotextiles and geotextile-related products - Characteristics required for used in the construction of railways

- **EN 13251:2016** - Geotextiles and geotextile-related products - Characteristics required for use in earthworks, foundations and retaining structures

- **EN 13252:2016** - Geotextiles and geotextile-related products - Characteristics required for use in drainage systems

- **EN 13253:2016** - Geotextiles and geotextile-related products - Characteristics required for use in erosion control works

- **EN 13254:2016** - Geotextiles and geotextile-related products - Required characteristics for use in the construction of reservoirs and dams

- **EN 13255:2016** - Geotextiles and geotextile-related products - Characteristics required for use in the construction of canals

- **EN 13256:2016** - Geotextiles and geotextile-related products – Charact.s required for use in the construction of tunnels and underground structures

- **EN 13257:2016** - Geotextiles and geotextile-related products - Characteristics required for use in solid waste disposals

6.b. **INCERTRANS-OC** - Notified body to the European Commission for conformity assessment of construction products with Identification Number 1833 conducted (1) initial inspection of the factory and factory production control; (2) continuous monitoring and evaluation of factory production control, under the system of assessment and verification of constancy of performance of construction product, **System 2+**, and issued certificate of conformity with No.: **1833-CPR-0053**

7. Declared performance

Properties	Declared performance/tolerance	Test method
Mass / unit area gr/m²	110 (+/- 11)	SR EN ISO 9864:2007
Thickness under 2 kN/m ² mm	1.10 (+/- 0.2)	SR EN ISO 9863-1: 2017
Tensile strength MD/CD kN/m	1.0 (- 0.2) 1.0 (- 0.2)	SR EN ISO 10319:2015
Elongation at break MD/CD %	75% (+/-) 23% 85% (+/-) 26%	SR EN ISO 10319:2015
Static puncture (CBR test) N	220 (- 33)	SR EN ISO 12236:2007
Dynamic cone drop mm	45 (+ 11.2)	SR EN ISO 13433:2007
Permeability VIH50 l/m ² s mm/s	130 (- 39)	SR EN ISO 11058:2010
Opening pore size O ₉₀ in μm	100 (+/- 30)	SR EN ISO 12956:2010
Energy absorbtion index MD/CMD kJ/m²	0.4 / 0.4	SR EN ISO 10319:2015
Pyramid puncture resistance N	N/A	SR EN 14574:2015
Water flow in the plane (i=1;20 kPa) l/m/h	N/A	SR EN ISO 12958:2010
Durability	To be covered within 2 weeks after installation.	SR EN 12224:2001
	Predicted to be durable for a minimum of 120 years in natural soils with 4 < pH < 9 and soil temperatures < 25°C	SR EN 12447:2003
Protection efficiency %	-300 kPa N/A -600 kPa N/A -1200 kPa N/A	SR EN 13719:2016

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

Signed for and on behalf of the manufacturer by:

Production Manager **Petre Popescu**

in **Rm. Valcea,**

Date: 27.05.2022

