

# DECLARATION OF PERFORMANCE

**PES/R400/CPR/3738/2018-07**

Unique identification code of the product type:

## **TECNODREN PES/R 400**

**non woven geotextile; needle punched; PET white or green staple fiber**

Intended use of the construction product:

**for roads, for tunnels, for retaining walls, for drainage systems, for reservoirs and dams, for canals, railways foundations, vaste foundations, embankments  
intended functions : separation (S), filtration (F)**

Producer:

**Ovattificio Alpino S.R.L., Via Ognissanti, 4, 35013 Cittadella (PD), Taliansko**

System of assessment and verification of constancy of performance of the construction product (AVCP):

**System 2+**

Harmonized standard:

**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**

The notified body:

**SKZ-Testing GmbH**

**Notified certification body SKZ -TeConA GmbH (identification no. 1213) performed the initial inspection of the manufacturing plant and of factory production control (FPC) and the continuous surveillance, assessment and evaluation of FPC and issued the certificate of conformity of the FPC no. 3303.3738**

**Declared performance:**

| Essential characteristics                                      | Performance   |   |                           | Harmonised technical specifications  |
|--|---------------|---|---------------------------|--|
|  | Test standard | Mean value  | Tolerance                 |  |
| Tensile strength<br>- longitudinal (MD)<br>- transversal (CMD) | EN ISO 10319  | 4,0 kN/m<br>4,5 kN/m  | - 1,0 kN/m<br>- 1,0 kN/m  | <b>EN 13249:2016</b><br><b>EN 13250:2016</b><br><b>EN 13251:2016</b><br><b>EN 13252:2016</b><br><b>EN 13253:2016</b><br><b>EN 13254:2016</b><br><b>EN 13255:2016</b><br><b>EN 13257:2016</b><br><b>EN 13265:2016</b> |
| Elongation<br>- longitudinal (MD)<br>- transversal (CMD)       | EN ISO 10319  | 75%<br>75%  | +/- 35<br>+/- 35          |  |
| Cone drop penetration  | EN ISO 13433  | 13mm  | + 6mm                     |  |
| Static puncture resistance                                     | EN ISO 12236  | 0,70 kN   | - 0,20 kN                 |  |
| Characteristic opening size                                    | EN ISO 12956  | 80µm  | +/- 30µm                  |  |
| Water flow rate  | EN ISO 11058  | 60 l/(m <sup>2</sup> s)   | - 25 l/(m <sup>2</sup> s) |  |
| Weathering resistance  | EN ISO 12224  | can be exposed up to 1 day  |                           |  |
| Durability   | EN ISO 13438  | durable in natural soil with 4<pH<9 and soil temperature <25° for a minimum of 5 years service life |                           |  |

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 manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Cittadella, may 2020

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TRENTO FERNANDO  
general manager