

# DECLARATION OF PERFORMANCE

**PP/NT400/CPR/4249/2018-07**

Unique identification code of the product type:

## **TECNODREN PP/NT 400**

**non woven geotextile; needle punched; PP white 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), reinforcement (R)**

Producer:

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

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. 6002,4249**

**Declared performance:**

Essential characteristics	Performance			Harmonised technical specifications
	Test standard	Mean value	Tolerance	
Tensile strength - longitudinal (MD) - transversal (CMD)	EN ISO 10319	27,0 kN/m 32,0 kN/m	- 2,0 kN/m - 3,0 kN/m	<b>EN 13249:2016</b> <b>EN 13250:2016</b> <b>EN 13251:2016</b> <b>EN 13252:2016</b> <b>EN 13253:2016</b> <b>EN 13254:2016</b> <b>EN 13255:2016</b> <b>EN 13256:2016</b>  <b>EN 13257:2016</b> <b>EN 13265:2016</b>
Elongation - longitudinal (MD) - transversal (CMD)	EN ISO 10319	65% 65%	+/- 20% +/- 20%	
Cone drop penetration	EN ISO 13433	8mm	+ 3mm	
Static puncture resistance	EN ISO 12236	5,0 kN	- 0,5 kN	
Pyramidal puncture test	EN 14574	750 kN	- 75 kN	
Characteristic opening size	EN ISO 12956	45µm	+/- 15µm	
Water flow rate	EN ISO 11058	25 l/(m <sup>2</sup> s)	- 10 l/(m <sup>2</sup> s)	
Weathering resistance	EN ISO 12224	can be exposed up to 30 day		
Oxidation resistance	EN ISO 13438	durable in natural soil with 4<pH<9 and soil temperature <25° for a minimum of 50 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