



DECLARATION OF PERFORMANCE

No: **AQ 2000-20 / 2024**

Thermally bonded polyester nonwoven geotextile AQUADESK

1. Unique identification code of the product-type:

AQUADESK 2000 TL 20

2. Intended use/es: .

Thermally bonded non-woven fabric for the construction of drainage systems for the function of separation and filtration (S, F)

3. Manufacturer:

RETEX a.s.
U nádraží 894
672 01 Moravský Krumlov, CZ
e: aquadesk@retex.cz · i: www.retex.cz

4. Authorised representative:

...

5. System/s of AVCP:

System for assessing and verifying the durability of construction products: **2+**

6.a Notified body/ies: .

Textilní zkušební ústav s.p. - notified body 1021 has carried out an initial assessment of the production management system according to system 2 + carries out regular supervision of the production system and issued a certificate.

6.b European Technical Assessment:

...

7. Declared performance/s:

Property		Standard	Unit	Value	Tolerance	Harmonized standards
Tensile strength	MD	EN ISO 10319	kN/m	0,7	-0,2	EN 13252:2016
	CMD		kN/m	0,6	-0,2	
Elongation	MD	EN ISO 10319	%	11	-3 +10	
	CMD		%	7	-2 +10	
Static puncture resistance (CBR)		EN ISO 12236	kN	0,11	-0,04	
Dynamic perforation resistance (cone drop)		EN ISO 13433	mm	47	+3	
Characteristic opening size O_{90}		EN ISO 12956	μm	145	± 15	
Water permeability perpendicular to the plane of the geotextile $V_{I_{H50}}$		EN ISO 11058	$\text{l/m}^2 \cdot \text{s}$	44,2	- 6,5	
Maximum allowed time between installation and covering of the geosynthetic		EN ISO 12224	It must be covered on the day of laying			
Dangerous substances		Less than required by national regulations in EU Member States				

A durability of 5 years is assumed in natural soils with a value of $4 < \text{pH} < 9$ and soil temperatures $< 25^\circ \text{C}$.

8. Appropriate Technical Documentation and/or Specific Technical Documentation:

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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

Signed for and on behalf of the manufacturer by: Ing. Robert Šimek, Ph.D.
Moravský Krumlov: 30.1.2024 Chairman of the Board