

**DECLARATION OF PERFORMANCE**  
Under the CPR EU 305/2011  
No. 2019-004 SA13

1. Unique identification code of the product-type:

**ONDUTEX® 180**

2. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

**Geotextile**

3. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):

**ONDULINE SA**  
**24 QUAI GALLIENI**  
**92 150 SURESNES – FRANCE**  
[www.onduline.com](http://www.onduline.com)

4. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):

**Not Applicable**

5. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

**System 2+**

6. In case of the declaration of performance concerning a construction product covered by a harmonized standard:  
**EN13249 :2016, EN13250:2016, EN13251:2016, EN 13252:2016, EN13253:2016, EN13254 :2016, EN13255 :2016, EN13257 :2016, EN13265 :2016**

Notified body : KIWA (identification no. 0799) - certificate of conformity of the FPC no. 0799-CPR-71

7. Declared performances

Essential characteristics	U.M.	Performance	Tolerance		Test standard
Tensile strength MD/CMD	kN/m	13 / 13	-1,7 / -1,7	-	EN ISO 10319
Elongation MD/CMD	%	50 / 65	-11,5 / -15	+11,5 / +15	EN ISO 10319
Dynamic perforation resistance (Cone drop test)	mm	22	-	+ 4,5	EN ISO 13433
Resistance to static puncture	N	2200	- 220	-	EN ISO 12236
Pyramid puncture resistance	N	-	-	-	EN 14574
Protection efficiency Local deformation at normal load	%	300 kPa - 600 kPa - 1200 kPa -	- - -	- - -	EN 13719
Opening Size	mm	0,063	-0,019	+0,019	EN ISO 12956
V-Index	m/s	0,05	-0,015	-	EN ISO 11058
In-plan flow capacity Gradient i=...MD/CMD Normal Load : soft/soft	l/(m.s)	20 kPa - 100 kPa - 200 kPa -	- - -	- - -	EN ISO 12958
Durability		To be covered within 14 days after installation according EN12224, predicted to be durable for 50 years in natural soils with 4 ≤ pH ≤ 9 and soil temperatures ≤ 25 °C (B.4.2.2, EN ISO 13438)			EN 13249:2016 EN 13255:2016 EN 13257:2016 EN 13265:2016 Annex B
Mass per unit area	g/m <sup>2</sup>	180	-18	+18	EN ISO 9864
Thickness by 2 kPa	mm	0,7	-0,15	+0,15	EN ISO 9863-1

8. Appropriate Technical Documentation and/or Specific Technical documentation : **NO**

The performance of the product identified above is in conformity with the set of declared performances. 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 by:

**Christophe Rohart**  
R&D Director

Suresnes, 03/12/2021 rev.2

