

# Declaration of Performance (DoP)

DoP No.: 003CPR/5431/2018-03-09

**1. Product Name:**

Unique identification code of the product-type:3

**GEONIA® DML-20**

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

**for roads  
for Railroad  
for Retaining wall  
for Landfill**

intended functions: **Separation (S), Reinforcement (R)**

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

**DAEYOUN GEOTECH CO., LTD  
123, Apogongdan-gil, Apo-eup, Gimcheon-si,  
Gyeongsangbuk-do, 39670, Korea  
Tel +82 54 436 0810  
Fax +82 54 436 0812  
e-mail overseas@egeonia.com**

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

**DAEYOUN GEOTECH CO., LTD  
123, Apogongdan-gil, Apo-eup, Gimcheon-si,  
Gyeongsangbuk-do, 39670, Korea  
Tel +82 54 436 0810  
Fax +82 54 436 0812  
e-mail overseas@egeonia.com**

**5. AVCP:**

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

**System 2+**

**6. Notified body:**

**1213**

In case of the declaration of performance (DoP) concerning a construction product covered by the harmonized standards:

**EN 13249:2016 ; EN 13250:2016  
EN 13251:2016 ; EN 13257:2016**

**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. 5431.**

**7. Declared performance:**

Essential characteristics	Performance		Test standard	Harmonised technical specifications
	Mean value	Tolerance		
<b>Tensile strength, <math>T_{min}</math> MD</b>	223 kN/m	- 20 kN/m	EN ISO 10319	EN 13249:2016 EN 13250:2016 EN 13251:2016 EN 13257:2016
<b>Tensile strength, <math>T_{min}</math> CMD</b>	55 kN/m	- 5 kN/m	EN ISO 10319	
<b>Elongation, <math>\epsilon_{max}</math> MD</b>	10 %	+/- 2 %	EN ISO 10319	
<b>Elongation, <math>\epsilon_{max}</math> CMD</b>	10 %	+/- 2 %	EN ISO 10319	
<b>Cone drop penetration, <math>D_c</math></b>	14 mm	+ 4 mm	EN ISO 13433	
<b>Static puncture resistance, <math>F_p</math></b>	10 kN	- 2 kN	EN ISO 12236	
<b>Weathering resistance (50 MJ/m<sup>2</sup>)</b>	can be exposed up to 14 days		EN 12224	
<b>Durability</b>	durable in natural soil with 4<pH<9 and soil temperature <25°C for a minimum of 100 years service life		EN 12447	

**8. Declaration:**

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

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 the manufacturer identified above

Signed for and on behalf of the manufacturer by:

Jed Jang / Assistant Manager

.....  
(name and function)

September 17, 2019 / Seoul, Korea

.....  
(place and date of issue)



.....  
(signature)