

- 1) Unique identification code of the product-type:
- 2) Type, batch or serial number or any other element allowing identification of the construction product:
- 3) Intended uses of the construction product:

Geomat 3/20Z 500

Geomat 3/20Z 500

EN 13249:2016	R
EN 13250:2016	R
EN 13251:2016	R
EN 13253:2016	R
EN 13254:2016	R
EN 13255:2016	R
EN 13257:2016	R
EN 13265:2016	R

Geomat for road, railway, earthworks, erosion control works, reservoirs and dams, canals, solid waste disposal and liquid waste containment applications.

- 4) Manufacturer:
- 5) System of assessment and verification of constancy of performance:

System 2+

- 6) In case of the declaration of performance concerning a construction product covered by a harmonised standard:

KIWA tBU 0799 performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control.

Certificate: **0799-CPR-30**

- 7) Declared performance:

Essential Characteristics	Test Standard	Performance	Unit	Tolerance	Harmonised Application Standards
Tensile strength MD / CMD	EN ISO 10319	1.30 / 0.85	(kN/m)	(-0.3kN/m) / (-0.2kN/m)	
Elongation at maximum load MD / CMD	EN ISO 10319	30 / 30	(%)	(±15%) / (±15%)	
Dynamic perforation resistance	EN ISO 13433	NPD			EN 13249:2016 EN 13250:2016 EN 13251:2016
Resistance to static puncture	EN ISO 12236	NPD			EN 13253:2016 EN 13254:2016
Durability		To be covered within 1 month - Predicted to be durable a minimum of 5 years for non-reinforcing applications in natural soils with 4 ≤ pH ≤ 9 and soil temperatures ≤ 25°C			EN 13255:2016 EN 13257:2016 EN 13265:2016
Dangerous Materials		NPD			

- 8) The performance of the product identified in point 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.

Signed for and on behalf of the manufacturer by:



Alan Bamforth – Managing Director

02/03/2018

Meltham

Manufacturers design life statement

A design life of 120 years is confidently given based on industry experience of more than 60 years use of high density polyethylene and polypropylene and 30 years of specific field and laboratory tests of ABG geocomposites, such as durability tests for acid and alkaline solution EN 14030, accelerated oxidation ISO 13438, biological degradation EN 12225 and accelerated compression creep ASTM D7361. The design life of the geocomposite assumes that it is correctly installed in accordance with ABG Installation Instructions within the temperature range of -20 to 80 °C and without exposure to chemicals known to be harmful to polyethylene/polypropylene. Design life indicates that the ABG geocomposite will function competently throughout the period and have an adequate residual performance in line with appropriate Reduction Factors applied during the design process.

Resistance to oxidation	BS EN ISO 13438	100 % Retained tensile strength
-------------------------	-----------------	---------------------------------