

Tensar Declaration of Performance

Tensar RE540 Geogrid



- 1) Unique identification code of the product type:
RE540
- 2) Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):
Geogrid RE540 – Batch number is provided on the product packaging
- 3) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:
For use in construction of earthworks, foundations and retaining structures, reservoirs and dams, canals, solid waste disposal and liquid waste containment.
Intended use: Reinforcement
- 4) Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):

Manufactured in Factory A Tensar Manufacturing Limited Sett End Road West Shadsworth Business Park Blackburn BB1 2PU United Kingdom Tel: +44 (0) 1254 262431 Fax: +44 (0) 1254 266867 E-mail: sales@tensar.co.uk	Manufactured in Factory B Tensar Geosynthetics (China) Limited 289 Checheng Avenue Wuhan Economics Development Zone Hanyang District Wuhan China 430056 Tel: +86 27 8423 6370 Fax: +86 27 8423 6381 E-mail: marketing@tensar.com.cn
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- 5) System or systems of assessment and verification of constancy of performance of the construction product as set out in the CPR, Annex V:
System 2+
Last two digits of year of affixing CE marking – 08
- 6) In case of the declaration of performance concerning a construction covered by a harmonised standard:
Notified certification body KIWA No – 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.

Warning - This Declaration of Performance is made available to a customer of Tensar International with respect to geogrid supplied under a contract of sale.
Improper use of the document includes the comparison of products for the purpose of claiming 'equivalence' both generally and for an unrelated project.

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7) Declared performance:

Performance Related Physical Properties of the Geogrid				Harmonised Technical Specification
Essential characteristic		Performance		EN13251:2000 + A1:2005 EN13254:2000 + A1:2005 EN13255:2000 + A1:2005 EN13257:2000 + A1:2005 EN13265:2000 + A1:2005
Product characteristic	Unit of characteristic	Declared Value	Tolerance	
Tensile Strength (EN ISO 10319)	kN/m	MD – 68,0	-3,5	
Elongation at Maximum Load (EN ISO 10319)	%	MD – 11,0	±3,0	
Static Puncture (CBR test) (EN ISO 12236) ^a	kN	NPD	NPD	
Dynamic Perforation Resistance (cone drop test) (EN ISO 13433) ^a	mm	NPD	NPD	
Tensile creep (EN ISO 13431)	kN/m	Long term creep rupture strength at a design life of 120 years and 10°C in soil temperature is 33,4kN/m		
Damage During Installation (BS8006, EN ISO 10722-1)	%	Retained Strength >80%	-0	
Dangerous substances (National Regulations in force in EU Member States)		Less than required by national regulations in EU Member States		
Durability Statement (EN 13251, Annex B)				
The minimum working life is assumed to be 200 years in natural soils with a pH value between 4 and 9 and in soil temperatures less than 20°C, when covered within 4 months. (Rep No BAM VI 33/5099/07,ERA 2006-0560)				

^a This test is not applicable for geogrids.

- 8) 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 in point 4. Signed for and on behalf of the manufacturer by:

Name: Steven Howard
Function: Quality Manager
Date of Issue: 12/10/2017

Signature:



Tensar is a registered trade mark

Tensar Manufacturing Limited

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