

# Tensar Declaration of Performance Tensar LTP20 Geogrid



- 1) Unique identification code of the product type:  
**LTP20**
- 2) Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):  
**Geogrid LTP20 – 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 roads, railways, earthworks, foundations and retaining structures.**  
**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](mailto:sales@tensar.co.uk)**
- 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 – 02
- 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.

# Tensor Declaration of Performance Tensor LTP20 Geogrid

7) Declared performance:

Performance Related Physical Properties of the Geogrid				Harmonised Technical Specification
Essential characteristic		Performance		
Product characteristic	Unit of characteristic	Declared Value	Tolerance	
<b>Tensile Strength (EN ISO 10319)</b>	kN/m	MD – 22 CMD – 22	-2 -2	<b>EN13249:2000 + A1:2005</b> <b>EN13250:2000 + A1:2005</b> <b>EN13251:2000 + A1:2005</b>
<b>Elongation at Maximum Load (EN ISO 10319)</b>	%	MD – 12,3 CMD – 10,6	±4.6 ±2	
<b>Tensile creep (EN ISO 13431)</b>	kN/m	MD The 120 year design strength is 3.29kN/m at 5% strain and 10°C. CMD The 120 year design strength is 3.83kN/m at 5% strain and 10°C.		
<b>Static Puncture (CBR test) (EN ISO 12236) <sup>a</sup></b>	kN	NPD	NPD	
<b>Dynamic Perforation Resistance (cone drop test) (EN ISO 13433) <sup>a</sup></b>	mm	NPD	NPD	
<b>Elongation at 20kN /m Quality Control Strength (EN ISO 10319)</b>	%	MD – 7,6 CMD – 6,2	± 1,7 ± 1,1	
<b>Damage During Installation (BS8006, EN ISO 10722-1)</b>	%	Retained Strength >95%	-0	
<b>Dangerous substances (National Regulations in force in EU Member States)</b>	Less than required by national regulations in EU Member States			
<b>Durability Statement (EN 13249, Annex B)</b>				
The minimum working life is assumed to be 100 years in natural soils with a pH value between 4 and 9 and in soil temperatures less than 15°C and is expected to be 50 years in natural soils with a pH value between 4 and 9 and in soil temperatures less than 25°C, when covered within 30 days. (Rep No 2011-0472)				

<sup>a</sup> 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: 24/07/2015

Signature:

Tensor is a registered trade mark

<p><b>Tensor Manufacturing Limited</b></p> <p>Tel: +44 (0) 1254 262431 Fax: +44 (0) 1254 266867 E-mail: <a href="mailto:sales@tensor.co.uk">sales@tensor.co.uk</a> <a href="http://www.tensor-international.com">www.tensor-international.com</a></p>	<p><b>UK Head Office</b> <b>Sett End Road</b> <b>Shadsworth Business Park</b> <b>Blackburn</b> <b>BB1 2PU</b> <b>United Kingdom</b></p>	
---	---	--