

# **Tensar Declaration of Performance Tensar Basetex 800/100 Geotextile**



- 1) Unique identification code of the product type:  
**Basetex 800/100**
- 2) Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):  
**Geotextile Basetex 800/100 – 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\*\*](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.

# Tensar Declaration of Performance Tensar Basetex 800/100 Geotextile

7) Declared performance:

| Performance Related Physical Properties of the Geotextile                                                                                                                                                 |                        |                                                                                                        |                | Harmonised Technical Specification                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------|
| Essential characteristic                                                                                                                                                                                  |                        | Performance                                                                                            |                | <b>EN13251:2014</b><br><b>EN13254:2014</b><br><b>EN13255:2014</b><br><b>EN13257:2014</b><br><b>EN13265:2014</b> |
| Product characteristic                                                                                                                                                                                    | Unit of characteristic | Declared Value                                                                                         | Tolerance      |                                                                                                                 |
| Tensile Strength (EN ISO 10319)                                                                                                                                                                           | kN/m                   | MD – 820,0<br>CMD – 105,0                                                                              | -20,0<br>-5,0  |                                                                                                                 |
| Elongation at Maximum Load (EN ISO 10319)                                                                                                                                                                 | %                      | MD – 10,5<br>CMD – 9,5                                                                                 | ±3,5<br>±3,0   |                                                                                                                 |
| Static Puncture (CBR test) (EN ISO 12236)                                                                                                                                                                 | kN                     | 10,0                                                                                                   | -3,0           |                                                                                                                 |
| Dynamic Perforation Resistance (cone drop test) (EN ISO 13433)                                                                                                                                            | mm                     | 26mm                                                                                                   | +12mm          |                                                                                                                 |
| Tensile creep (EN ISO 13431)                                                                                                                                                                              | kN/m                   | Long term creep rupture strength at a design life of 120 years and 20°C in soil temperature is 507kN/m |                |                                                                                                                 |
| Elongation at 800/100 Quality Control Strength (EN ISO 10319)                                                                                                                                             | %                      | MD – 9,5<br>CMD – 8,5                                                                                  | ± 3,5<br>± 3,0 |                                                                                                                 |
| Dangerous substances (National Regulations in force in EU Member States)                                                                                                                                  |                        | Less than required by national regulations in EU Member States                                         |                |                                                                                                                 |
| <b>Durability Statement (EN 13251, 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 25°C , when covered within 1 day. (Rep No 10/19868 & 10/15350/LH) |                        |                                                                                                        |                |                                                                                                                 |

- 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: 23/10/2014

Signature:



**Tensar Manufacturing Limited**

Tel: +44 (0) 1254 262431  
Fax: +44 (0) 1254 266867  
E-mail: [sales@tensar.co.uk](mailto:sales@tensar.co.uk)  
[www.tensar-international.com](http://www.tensar-international.com)

**UK Head Office**  
**Sett End Road**  
**Shadsworth Business Park**  
**Blackburn**  
**BB1 2PU**  
**United Kingdom**



Q 05288  
ISO 9000:2008



EMS 86463  
ISO 14001:2004

Tensar is a registered trade mark