

# CERTIFICATE OF ACCREDITATION



**GeoCert Geosynthetics Testing Australasia**

**Client Number 9371**

P O Box 470, Thames, 3540  
 125 Ngati Maru Highway, Thames, 3578  
**Telephone 07 868-0548**

**Authorised Representative**

Mr Joel Sorensen  
 Laboratory Manager

**Programme**

Mechanical Testing Laboratory

**Accreditation Number 1307**

**Initial Accreditation Date 20 August 2018**

**Conformance Standard**

ISO/IEC 17025:2017

General requirements for the competence of testing and calibration laboratories

**Laboratory Services Summary**

4.62            Textiles

**Key Technical Personnel**

Mrs Meredith Ashby	4.62
Mr Duncan Kruger	4.62
Mr Joel Sorensen	4.62

Operations Manager Authorisation:		Issue 9	Date:24/09/25	Page 1 of 3
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GeoCert Geosynthetics Testing Australasia  
 Mechanical Testing Laboratory  
**SCOPE OF ACCREDITATION**

Accreditation Number 1307

**4.62 Textiles**

**Geosynthetic Materials**

**Tests on Geosynthetic Materials in accordance with the following methods as specified in AS 3706.1 – Geotextiles - Methods of test, Method 1: General requirements, sampling, conditioning, basic physical properties and statistical analysis and / or TNZ F/7: 2003 – Specification for Geotextiles.**

**Tests in accordance with the following Australian Standards**

**(a) Tension and dimensional tests**

- AS 2001.2.3.1 Maximum force and elongation at maximum force using the strip method
- AS 2001.2.3.2 Maximum force using the grab method
- AS 2001.2.13 Mass per unit area and mass per unit length of fabrics
- AS 2001.2.15 Thickness of textile fabrics

**(b) Tear tests**

- AS 3706.3 Tearing strength - Trapezoidal method
- AS 3706.4 Burst strength - California bearing ratio (CBR) - Plunger method
- AS 3706.5 Puncture resistance - Drop cone method

**(f) Other tests**

- AS 3706.7 Pore-size distribution - Dry-sieving method
- AS 3706.9 Permittivity, permeability and flow rate
- AS 3706.11 Durability - Resistance to degradation by light, heat and moisture


**Tests in accordance with the following ASTM methods**

**(a) Tension and dimensional tests**

- D4632/D4632M-15a(2023) Grab Breaking Load and Elongation of Geotextiles
- D5035-11(2024) Breaking Force and Elongation of Textile Fabrics (Strip Method)
- D5261-10(2024) Measuring Mass per Unit Area of Geotextiles

**(b) Tear tests**

- D4533/D4533M-15(2023) Trapezoid Tearing Strength of Geotextiles
- D6241-22a Static Puncture Strength of Geotextiles and Geosynthetic-Related Products using a 50mm Probe

Operations Manager Authorisation:		Issue 9	Date:24/09/25	Page 2 of 3
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**(f) Other tests**

- D4355/D4355M-21 Deterioration of Geotextiles by Exposure to Light, Moisture and Heat in a Xenon Arc-Type Apparatus
- D5818-22 Exposure and Retrieval of Samples to Evaluate Installation Damage of Geosynthetics
- D6637/D6637M-15(2023) Tensile Properties of Geogrids by the Single or Multi-Rib Tensile Method
- D6638-18 (modified) Determining Connection Strength between Geosynthetic Reinforcement and Segmental Concrete Units (Modular Concrete Blocks)
- G151-19 Exposing Nonmetallic Materials in Accelerated Test Devices that Use Laboratory Light Sources
- G155-21 Operating Xenon Arc Lamp Apparatus for Exposure of Materials

**Tests in accordance with the following Austroads Test Methods**

**(f) Other tests**

- ATM 821 Laddering, Unravelling or Deweaving of a Seamless Knitted Tubular Filter Fabric from a Cut End
- ATM 822 Abrasion Resistance of Seamless Knitted Tubular Filter Fabric
- ATM 823 Weave Stability of Seamless Knitted Tubular Filter Fabric
- ATM 824 Determination of Opening Size of Seamless Knitted Tubular Filter Fabric

**Tests on Seamless tubular knitted filter fabric in accordance with the TfNSW test methods as specified in the TfNSW specification D&C 3553 for Seamless tubular knitted filter fabric**

**Tests in accordance with the following Transport for New South Wales test methods**

**(a) Tension and dimensional tests**

- T1520 Determination of yield seamless knitted tubular filter fabric
- T1523 Weave stability of seamless knitted tubular filter fabric
- T1524 Determination of opening size of seamless knitted tubular filter fabric

**(f) Other tests**

- T1404 (modified) Ultra violet dry exposure
- T1521 Laddering, unravelling or deweaving of a seamless knitted tubular filter fabric from a cut end
- T1522 Abrasion resistance of seamless knitted tubular filter fabric

Operations Manager Authorisation:		Issue 9	Date:24/09/25	Page 3 of 3
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