

ACCREDITATION CERTIFICATE

Issued under the authority of Bangladesh Accreditation Act, 2006
by Bangladesh Accreditation Board (BAB), Ministry of Industries to

Geotextile Testing Laboratory (GTL)

Confidence Infrastructure Limited

Nayapur, Barabo, Sonargaon, Narayanganj, Bangladesh

This is to certify that this

Testing Laboratory

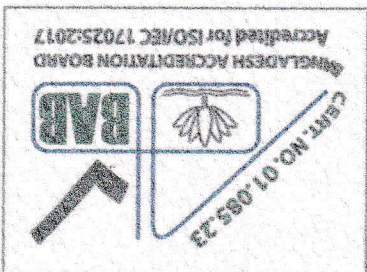
is accredited in accordance with the international standard

ISO/IEC 17025:2017

in respect of the associated scope, subject to the terms and
conditions governing the relevant conformity assessment

body (CAB) accreditation.

Certificate Number : 01.085.23
Accreditation Date : 12 October 2023
Date of Issuance : 23 October 2023
Date of Expiration : 11 October 2026



Sheikh Faizul Amin
Director General

This certificate must be returned on request; reproduction must follow BAB guidelines. For the specific scopes to which this accreditation applies, please refer to the Directory of CABS at BAB website.

SCOPE OF ACCREDITATION

(For Testing Laboratory)

CAB Name & Address: Geotextile Testing Lab (GTL)
Confidence Infrastructure Ltd.
Nayapur, Barabo, Sonargaon, Narayanganj-1411, Bangladesh.

Accreditation Standard:	ISO/IEC 17025:2017	Accreditation Date:	12 October 2023
Certificate Number:	01.085.23	Issued on:	23 October 2023
Last Amended on:	NA	Valid until:	11 October 2026
Amendment no:	NA		

S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/ Techniques used	Range of testing/Limit of detection
Field: Geotextile Testing				
1	Geotextile/ Geosynthetics	Standard Test Method for Measuring the Nominal Thickness of Geosynthetics	ASTM D5199	0.01 – 25mm
2	Geotextile/ Geosynthetics	Determination of thickness at specified pressures - Part 1: Single layers	ISO 9863-1	0.01 – 25mm
3	Geotextile/ Geosynthetics	Standard Test Method for Measuring Mass per Unit Area of Geotextiles	ASTM D5261	10 – 2200g/m ²
4	Geotextile/ Geosynthetics	Test method for the determination of mass per unit area of geotextiles and geotextile-related products	ISO 9864	10 – 2200g/m ²
5	Geotextile/ Geosynthetics	Standard Test Method for Tensile Properties of Geotextiles by the Wide-Width Strip Method	ASTM D4595	0.01 – 50kN
6	Geotextile/ Geosynthetics	Wide-width tensile test Standard Test Method for Static	ISO 10319	0.01 – 50kN
7	Geotextile/ Geosynthetics	Puncture Strength of Geotextiles and Geotextile- Related Products Using a 50- mm Probe	ASTM D6241	2 – 50000N
8	Geotextile/ Geosynthetics	Static puncture test (CBR test)	ISO 12236	2 – 50000N


Quality Manager

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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/ Techniques used	Range of testing/Limit of detection
9	Geotextile/ Geosynthetics	Standard Test Method for Grab breaking load and elongation of geotextiles	ASTM D4632	2 – 50000N
10	Geotextile/ Geosynthetics	Standard Test Methods for Water Permeability of Geotextiles by Permittivity	ASTM D4491	0 – 50mm Head Difference
11	Geotextile/ Geosynthetics	Determination of water permeability characteristics normal to the plane, without load	ISO 11058	0 – 50mm Head Difference
12	Geotextile/ Geosynthetics	Standard Test Method for Deterioration of Geotextiles by Exposure to Light, Moisture, and Heat in a Xenon Arc-Type Apparatus	ASTM D4355	0 – 100%
13	Geotextile/ Geosynthetics	Standard Test Method for Tensile Properties of Yarns by the Single-Strand Method	ASTM D2256	0. 1cN – 5kN
14	Geotextile/ Geosynthetics	Tensile test for joint/seams by wide width strip method	ISO 10321	0.01 – 50kN
15	Geotextile/ Geosynthetics	Standard Test Method for Trapezoid Tearing Strength of Geotextiles	ASTM D 4533	2 – 50000N
16	Geotextile/ Geosynthetics	Standard Test Methods for Determining Apparent Opening Size of a Geotextile	ASTM D4751	40-300 µm
17	Geotextile/ Geosynthetics	Determination of the characteristic opening size	ISO 12956	40-300 µm

END


Quality Manager