3D ALUM PRODUCTS SDN. BHD.
NO 23A, JALAN SMS 2, SEKSYEN 19, KAWASAN PERIDUSTRIAN RAWANG PERDANA, 48000 RAWANG, SELANGOR

Sample Descriptions : FIBERGLASS PLATFORM LADDER

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

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Sample Receiving Date : Mar 30, 2026

Test Performing Date : Mar 30, 2026 to Apr 03, 2026

Test Performed : Selected test(s) as requested by applicant

Test Result(s) : For further details, please refer to the following page(s)

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Nova Kuang

Nova Kuang
Authorized Signatory

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Test Conducted: Clause 5.16.3 of EN 131-2:2010+A3:2025 ladders- requirements, testing, marking

1.Scope:
This standard specifies the general design features, requirements and test methods for portable ladders. It does not apply to step stools or ladders for specific professional use such as fire brigade ladders roof ladders and mobile ladders. It does not apply to ladders used for work on or near live electrical systems or installations.In the working position all ladders are determined for a maximum static vertical load of 150kg.
Ladders are to be used by one person only per ascending leg of ladder.

2.Number of tested sample: 1 Piece

3.Test result: (Details shown as following tables)

Clause	Test item	Result
5.16.3 Dielectric test	**5.16.3.1 General** The dielectric test applies for the suitability of ladders for a use where the voltage is less than 1 000 Va.c and 1 500 V d.c. The tests shall be mandatory for all ladders declared as insulated. When ladders are used where the electrical voltage is greater than 1 000 V, then the ladders shall comply with EN 61478. **5.16.3.2 Preparation of the test piece** The test piece is taken from the ladder and shall include at least two adjacent rungs. In the case of spliced ladder, the test piece shall include the part with the connecting device (most sensitive part of the ladder). The dielectric test is carried out on the insulation material sections, which have undergone a mechanical ageing test as described in 5.16.1.3. **5.16.3.3 Procedure** The section is immersed for 24 h in water with a resistivity of (100 ± 15) Ω × m. The ladder is then removed from the water bath and hung upright for 4 h. Prior to applying the test voltage the ladder is wiped carefully. Suitable electrodes, at least 50 mm in width, are attached to two successive rungs. These are positioned so as to ensure that the test voltage is applied to the stiles . The voltage applied between adjacent electrodes is an alternative voltage with a frequency between 40 Hz and 62 Hz, increasing gradually from 0 to *U*m, at the rate of 1 kV/s. The test voltage *U*m is defined according to the spacing *d* between the 2 rungs by the equation: *U*m = 1 000 × *d*/300 where *U*m is expressed in Volt; *d* is the distance between 2 adjacent rungs or steps, expressed in millimetres; Voltage is provided by a transformer with a short-circuit current that is not less than 0,5 A at *U*m; The *U*m voltage is applied for 1 min. The test is carried out on the adjacent rungs and in contact with the stiles	PASS

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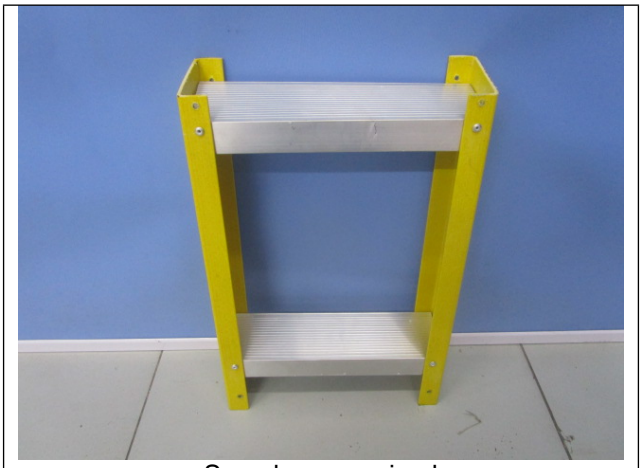
	(rails); The test is considered as passed if no flashover, no puncture and no temperature rise (Δ 5 °C) occurs on the stiles.	

Remark: As per client's request, samples are not conducted the mechanical ageing test as described in 5.16.1.3.

Sample Photo(s):



Sample as received

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.

End of Report

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