

**Test Report No. 7191260462-MEC21-SL**  
dated 21 MAY 2021



PSB Singapore

**Note:** This report is issued subject to the Testing and Certification Regulations of the TÜV SÜD Group and the General Terms and Conditions of Business of TÜV SÜD PSB Pte Ltd. In addition, this report is governed by the terms set out within this report.

**SUBJECT:**

Load test on ladder

**TESTED FOR:**

A Decor Inc Pte Ltd  
Blk 6 Marsiling Industrial Estate Road 1,  
#01-20  
Singapore 739275

Attn: Ms. Lim Ting Ting

**SAMPLE DESCRIPTION:**

The following samples were submitted by A Decor Inc Pte Ltd on 12<sup>th</sup> May 2021:

Sample Reference	Sample Description	Brand	Qty
1	AL – APL – 09 steps	TT ladders	1
2	FG – APL – 04 steps	TT ladders	1
3	Aluminium Single Pole Ladder – 6 m	TT ladders	1
4	Aluminium Double Extension Ladder – 6 m x 6 m	TT ladders	1
5	Aluminium Triple Extension Ladder – 6 m x 6 m x 6 m	TT ladders	1

**TEST METHOD:**

EN 131-2:2010+A2:2017 Ladders – Part 2: Requirements, testing, marking  
Clause 5.6.2 Vertical load on rungs and steps  
Clause 5.6.3 Vertical load on platform

**DATE OF TEST:**

20<sup>th</sup> May 2021



TÜV SÜD PSB

Laboratory:  
TÜV SÜD PSB Pte. Ltd.  
15 International Business Park  
TÜV SÜD @ IBP  
Singapore 609937

Phone : +65-6778 7777  
E-mail: info.sg@tuvsud.com  
<https://www.tuvsud.com/sg>  
Co. Reg : 199002667R

Regional Head Office:  
TÜV SÜD Asia Pacific Pte. Ltd.  
15 International Business Park  
TÜV SÜD @ IBP  
Singapore 609937  
**TUV®**



**TEST RESULTS:**

**Table 1: Clause 5.6.3 Vertical load test on platform**

Sample reference	AL – APL – 09 steps		EN 131-2:2010+A2:2017 Clause 5.6.3 Requirement
	Measured deflection (mm)		
	Centre	Corner	
Pre-load = 200 N (20.4 kg) 1-minute after removal of pre-load	0.00		-
Test load = 2600 N (265.0 kg) 1-minute after removal of test load	0.80	0.37	Hold for 1 min
Permanent deformation	0.80	0.37	Max permanent deformation $\leq 0.5\% \times b1 = 2.00$ mm
Permanent deformation (after second test) at the connection between platform and stile (mm)	0.12		Max permanent deformation $\leq 0.5\% \times b1 = 2.00$ mm

Note 1: b1 = measured length (400 mm) of platform parallel to steps/rungs

Note 2: Test result in Table 1 complied with EN 131-2:2010+A2:2017 Clause 5.6.3 requirement.

**Table 2: Clause 5.6.3 Vertical load test on platform**

Sample reference	FG – APL – 04 steps		EN 131-2:2010+A2:2017 Clause 5.6.3 Requirement
	Measured deflection (mm)		
	Centre	Corner	
Pre-load = 200 N (20.4 kg) 1-minute after removal of pre-load	0.00		-
Test load = 2600 N (265.0 kg) 1-minute after removal of test load	0.57	0.21	Hold for 1 min
Permanent deformation	0.57	0.21	Max permanent deformation $\leq 0.5\% \times b1 = 2.12$ mm
Permanent deformation (after second test) at the connection between platform and stile (mm)	0.08		Max permanent deformation $\leq 0.5\% \times b1 = 2.12$ mm

Note 1: b1 = measured length (423 mm) of platform parallel to steps/rungs

Note 2: Test result in Table 2 complied with EN 131-2:2010+A2:2017 Clause 5.6.3 requirement.

**Test Report No. 7191260462-MEC21-SL**  
dated 21 MAY 2021



PSB Singapore

Please note that this Report is issued under the following terms :

1. This report applies to the sample of the specific product/equipment given at the time of its testing/calibration. The results are not used to indicate or imply that they are applicable to other similar items. In addition, such results must not be used to indicate or imply that TÜV SÜD PSB approves, recommends or endorses the manufacturer, supplier or user of such product/equipment, or that TÜV SÜD PSB in any way "guarantees" the later performance of the product/equipment. Unless otherwise stated in this report, no tests were conducted to determine long term effects of using the specific product/equipment.
2. The sample/s mentioned in this report is/are submitted/supplied/manufactured by the Client. TÜV SÜD PSB therefore assumes no responsibility for the accuracy of information on the brand name, model number, origin of manufacture, consignment or any information supplied.
3. Nothing in this report shall be interpreted to mean that TÜV SÜD PSB has verified or ascertained any endorsement or marks from any other testing authority or bodies that may be found on that sample.
4. This report shall not be reproduced wholly or in parts and no reference shall be made by the Client to TÜV SÜD PSB or to the report or results furnished by TÜV SÜD PSB in any advertisements or sales promotion.
5. Unless otherwise stated, the tests were carried out in TÜV SÜD PSB Pte Ltd, 15 International Business Park TÜV SÜD @ IBP Singapore 609937.
6. The tests carried out by TÜV SÜD PSB and this report are subject to TÜV SÜD PSB's General Terms and Conditions of Business and the Testing and Certification Regulations of the TÜV SÜD Group.

Effective 26 January 2021

