

TEST REPORT



UNIVERSITY-INDUSTRY COOPERATION
FOUNDATION KOREA AEROSPACE UNIVERSITY

76 HANGGONGDAEHAKRO, DEOYANG-GU, GOYANG-CITY,
GYEONGGI-DO, 412-719, KOREA

TEL : +82-2-300-0396 FAX : +82-2-300-0495



Report No.: 17-1010-006-02

1. Client

- Name: ALCOPANEL Co., Ltd.
- Address: 275, Gangnam-daero, Seocho-gu, Seoul, Republic of Korea
- Date of Receipt: Mar. 21. 2017

2. Sample Description

- Material : ALCOPANEL ALUMINUM COMPOSITE PANEL
(0.5 mm Aluminum skin + 3 mm core + 0.5 mm Aluminum skin)
- Sandwich bending specimen (Width: 76 mm, Length: 200 mm)

3. Date of Test: April. 11. 2017

4. Test method used: ASTM C393/C393M -16

5. Test Results

Test item	Unit	Result	Measurement uncertainty (Confidence level %, $k =$)	Etc
Core Shear Strength	MPa (psi)	1.49 (220)	0.01 (about 95 %, $k = 2$) (2 (about 95 %, $k = 2$))	3 Point (Span: 150mm)
Facing Stress	MPa (ksi)	223 (33)	2 (about 95 %, $k = 2$) (1 (about 95 %, $k = 2$))	
Flexural Elasticity*	GPa	28	1 (about 95 %, $k = 2$)	

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.

This laboratory is not accredited for the test results marked * -----

- 1) Modulus of Elasticity is a calculated value in accordance with ASTM D790 test specification.
- 2) Conversion factor.(1 MPa = 145.038 psi)

Affirmation	Tested by	Technical Manager
	Name : Lee, Dong Geon (Signature)	Name : Lee, Soo Yong (Signature)

The above test certificate is the accredited test results by Korea Laboratory Accreditation Scheme, which signed the ILAC-MRA.

April 24, 2017

Dean of University-Industry Cooperation Foundation (Signature)

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