



1. NO: CT23-020313E

2. Client

O Name: ALCODAEA CO., LTD

O Address : 276, Daecheong-ro, Sanseong-myeon, Eumseong-gun, Chungcheongbuk-do, Republic of Korea

3. Date of Test: 2023.02.22 ~ 2023.03.10

4. Use of Report: Quality Control

5. Test Sample: ALUMINIUM EMBO PANEL(4T)

6. Test Method

(1) KS M ISO 15184:2012

(2) KS F 4737:2019

(3) KS D 8303:2009

#### 7. Test Results

1) ALUMINIUM EMBO PANEL(4T)

Test Item(s)	Unit	Test Method	Test Results	Remark	Loc.
Pencil hardness	-	(1)	4H		
Stain resistance - crayon(red)	grade	(2)	5		
Stain resistance - crayon(red)	grade	(2)	5		A
Stain resistance - crayon(red)	grade	(2)	5		
Cross-cut test	-	(3)	No peeling of the coating (		

<sup>※</sup> Location

A: 85, Dambang-ro, Namdong-gu, Incheon, Korea

End of Report

Affirmation

Tested By

Name: Kim Eung Gu

Technical Manager

Name: Shin Kwon II

This report is not accredited by KOLAS and KS Q ISO/IEC 17025.

Our report apply only to the standards or procedures identified and to the sample(s) tested unless otherwise specified. The test results are not indicative of representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products. The results of using only a portion of this report cannot be guaranteed. The authenticity of this test report can be checked on KCL website(www.kcl.re.kr).

2023.03.10

Korea Conformity Laboratories

President Jo, Yung Tae

Result Inquiry: 40, Yeongudangi-ro, Ohchang-Eup, Cheongwon-Gu, Cheongju-si, Chungbuk, Korea (82-43-718-9054)











1. NO: CT23-020316E

2. Client

ALCODAEA CO., LTD O Name:

276, Daecheong-ro, Sanseong-myeon, Eumseong-gun, Chungcheongbuk-do, Republic of Korea O Address :

3. Date of Test: 2023.02.22 ~ 2023.03.16

4. Use of Report: Quality Control

5. Test Sample: ALUMINIUM EMBO PANEL(4T)

6. Test Method

(1) KS F 4737:2019

7. Test Results

1) ALUMINIUM EMBO PANEL(4T)

Test Item(s)	Unit	Test Method	Test Results	Remark	Loc.
Peeling and Adhesive Load	N/25 mm	(1)	85.9	(23 ± 2) ℃, (50 ± 5) % R.H.	A

\* Location

A: 628, Sorae-ro, Namdong-gu, Incheon, 21594, Korea

End of Report

Affirmation

Tested By

Name: Kim Eung Gu

Technical Manager

Name: Shin Kwon II

This report is not accredited by KOLAS and KS Q ISO/IEC 17025.

Our report apply only to the standards or procedures identified and to the sample(s) tested unless otherwise specified. The test results are not indicative of representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products. The results of using only a portion of this report cannot be guaranteed. The authenticity of this test report can be checked on KCL website(www.kcl.re.kr).

2023.03.16

Korea Conformity Laboratories

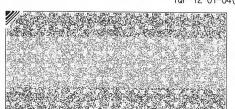
President Jo, Yung Tae

Result Inquiry : 40, Yeongudangi-ro, Ohchang-Eup, Cheongwon-Gu, Cheongju-si, Chungbuk, Korea (82-43-718-9054)

Page 1 of 1









**APPLICANT** 

: ALCODAEA CO.,LTD

REPORT NO.

: M255-23-00562

**SAMPLE RECEIVED DATE**: 2023-02-27

REPORT ISSUED DATE

: 2023-03-13

**PAGE** 

: 1 OF 2

SAMPLE DESCRIPTION: One(1) sample

\_\_\_\_\_\_

SAMPLE NAME SUBMITTED BY THE APPLICANT: ALUMINIUM EMBO PANEL (4T)

\_\_\_\_\_\_

TEST CONDUCTED: As requested by the applicant, for details please see attached page(s).

PREPARED AND CHECKED BY

Seongkeum Jang

SEONG-KEUN JANG **QUALITY MANAGER**  **AUTHORIZED BY FOR FITI** 

Hwayoung

**HWA-YOUNG KIM PRESIDENT** 

\* Report Verification No.: 42Z6-HT61-PMIK \*

(You can see the authenticity of your test report through the above "Report Verification No." at FITI homepage.)



Tel: 043-711-8875 Fax: 043-711-8804

REPORT NO.: M255-23-00562

: 2 OF 2

### 01. TENSILE STRENGTH ( KS F 4737 : 2019 ) : MPa

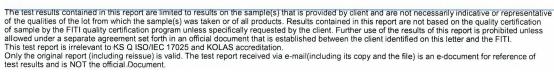
	#1	
	60.8	

#### 02. ELONGATION (KS F 4737: 2019): %

		#1		

\*\* End of The Report \*\*











**APPLICANT** 

: ALCODAEA CO.,LTD

REPORT NO.

: M255-23-00562-01

SAMPLE RECEIVED DATE : 2023-02-27

REPORT ISSUED DATE

: 2023-03-13

**PAGE** 

: 1 OF 2

SAMPLE DESCRIPTION: One(1) sample

SAMPLE NAME SUBMITTED BY THE APPLICANT: ALUMINIUM EMBO PANEL (4T)

**TEST CONDUCTED:** As requested by the applicant, for details please see attached page(s).

PREPARED AND CHECKED BY

Seongkeum Sang

SEONG-KEUN JANG **QUALITY MANAGER**  **AUTHORIZED BY FOR FITI** 

Hwayoung

**HWA-YOUNG KIM PRESIDENT** 

※ Report Verification No.: PE8W-TMEE-ZIVI ※

(You can see the authenticity of your test report through the above "Report Verification No." at FITI homepage.)





Tel: 043-711-8875 Fax: 043-711-8804

REPORT NO.: M255-23-00562-01

: 2 OF 2

01. BEND TEST ( KS F 4737 : 2019 ) : MPa

	#1	111111111
	97.1	

\*\* End of The Report \*\*



The test results contained in this report are limited to results on the sample(s) that is provided by client and are not necessarily indicative or representative of the qualities of the lot from which the sample(s) was taken or of all products. Results contained in this report are not based on the quality certification of sample by the FITI quality certification program unless specifically requested by the client. Further use of the results of this report is prohibited unless allowed under a separate agreement set forth in an official document that is established between the client identified on this letter and the FITI. This test report is irrelevant to KS Q ISO/IEC 17025 and KOLAS accreditation.

Only the original report (including reissue) is valid. The test report received via e-mail(including its copy and the file) is an e-document for reference of test results and is NOT the official Document.

