



میدیل ایست لخدمات الفحص ذ.م.م. Middle East Testing Services L.L.C.

TEST REPORT

Report No.: MR-110326-194-L

Client / Establishment	: M/s. Al Maha Ceramics SAOG, Falaj Al Qabail, Sohar, Sultanate of Oman P.O Box: 482
Sample ID	: MS-110326-194
Sample Receiving Date	: 11/03/2026
Reporting Date	: 31/03/2026
Date of Analysis	: 11/03/2026-31/03/2026
Tested by	: KV/TM
Issue No	: 01 (Re-Issue Date: NA)

Sample Information:

Sample Description	: RX 600x600 mm Al Maha Glazed tiles (Rectified)
Work Size	: 599x599x10mm

Test Results

Moisture Expansion

Test Method: ISO 10545-10:2021

Temperature: 23°C

Relative Humidity:50%

Test	Unit	Result
Moisture Expansion	mm/m	0.003
		0.005
		0.005
		0.003
		0.004
Average		0.004

Remarks: The tested parameters meet the standard requirement GSO ISO 13006:2018/2022E GROUP BIIb.

Note: No traceability details were provided by client

Test Location: Ajman

Prepared by

Team Head
Material Science Division (MSD)
Employee Code: METS AJ EC 220

Verified by

Supervisor
Fire & Material Science Division
Employee Code: METS AJ EC 110



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TEST REPORT

Report No.: MR-110326-194-M

Client / Establishment	: M/s. Al Maha Ceramics SAOG, Falaj Al Qabail, Sohar, Sultanate of Oman P.O Box: 482
Sample ID	: MS-110326-194
Sample Receiving Date	: 11/03/2026
Reporting Date	: 31/03/2026
Date of Analysis	: 11/03/2026-31/03/2026
Tested by	: KV/TM
Issue No	: 01 (Re-Issue Date: NA)

Sample Information:

Sample Description	: RX 600x600 mm Al Maha Glazed tiles (Rectified)
Work Size	: 599x599x10mm

Test Results

Frost Resistance

Test Method: ISO 10545-12:1995

Temperature: 23°C

Relative Humidity: 50%

Test	Observation	Result
Frost Resistance	No crazing, chipping, spalling was observed	Resistant

Remarks: The tested parameters meet the standard requirement GSO ISO 13006:2018/2022E GROUP BIIb.

Note: No traceability details were provided by client

Test Location: Ajman

Prepared by

Team Head
Material Science Division (MSD)
Employee Code: METS AJ EC 220



Verified by

Supervisor
Fire & Material Science Division
Employee Code: METS AJ EC 110

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TEST REPORT

Report No.: MR-110326-194-N

Client / Establishment : M/s. Al Maha Ceramics SAOG,
Falaj Al Qabail, Sohar, Sultanate of Oman P.O Box: 482

Sample ID : MS-110326-194
Sample Receiving Date : 11/03/2026
Reporting Date : 31/03/2026
Date of Analysis : 11/03/2026-31/03/2026
Tested by : KV/TM
Issue No : 01 (Re-Issue Date: NA)

Sample Information:

Sample Description : RX 600x600 mm Al Maha Glazed tiles (Rectified)
Work Size : 599x599x10mm

Test Results

Stain Resistance

Test Method: ISO 10545-14:2015

Temperature: 23°C

Relative Humidity: 50%

Specimen No.	Stain Agent	Method	Cleaning Agents	Observation	Result
1	Green staining agent (Cr ₂ O ₃)	ISO 10545-14:2015	Remove by hot water	No visible effect.	Class 5
	Iodine solution				
	Olive oil				
	Red staining agent				
2	Green staining agent (Cr ₂ O ₃)	ISO 10545-14:2015	Remove by hot water	No visible effect.	Class 5
	Iodine solution				
	Olive oil				
	Red staining agent				
3	Green staining agent (Cr ₂ O ₃)	ISO 10545-14:2015	Remove by hot water	No visible effect.	Class 5
	Iodine solution				
	Olive oil				
	Red staining agent				
	Iodine solution				
	Olive oil				
	Red staining agent				





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Report No.: MR-110326-194-N

Test Results:

Specimen No.	Stain Agent	Method	Cleaning Agents	Observation	Result
1	Green staining agent (Cr_2O_3)	ISO 10545-14:2015	Remove by hot water	No visible effect.	Class 5
	Iodine solution				
	Olive oil				
	Red staining agent				
2	Green staining agent (Cr_2O_3)	ISO 10545-14:2015	Remove by hot water	No visible effect.	Class 5
	Iodine solution				
	Olive oil				
	Red staining agent				

Remarks: The tested parameters meet the standard requirement GSO ISO 13006:2018/2022E GROUP B11b.

Note: No traceability details were provided by client

Prepared by

Team Head
Material Science Division (MSD)
Employee Code: METS AJ EC 220



Verified by

Supervisor
Fire & Material Science Division
Employee Code: METS AJ EC 110

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TEST REPORT

Report No.: MR-110326-194-O

Client / Establishment	: M/s. Al Maha Ceramics SAOG, Falaj Al Qabail, Sohar, Sultanate of Oman P.O Box: 482
Sample ID	: MS-110326-194
Sample Receiving Date	: 11/03/2026
Reporting Date	: 31/03/2026
Date of Analysis	: 11/03/2026-31/03/2026
Tested by	: KV/TM
Issue No	: 01 (Re-Issue Date: NA)

Sample Information:

Sample Description	: RX 600x600 mm Al Maha Glazed tiles (Rectified)
Work Size	: 599x599x10mm

Test Results

Chemical Resistance

Test Method: ISO 10545-13:2016

Temperature: 23°C

Relative Humidity:50%

Specimen No.	Test	Choice of reagent	Observation	Result	Classification
1	Resistance to house hold chemicals	Ammonium chloride solution (100 g/l)	No visible effect	Resistant	A
	Resistance to swimming pool salt	Sodium hypochlorite solution	No visible effect	Resistant	A
	Resistance to acid & alkalis (Low concentration (L))	Hydrochloride acid solution	No visible effect	Resistant	A
		Citric acid solution (100 g/l)	No visible effect	Resistant	A
		Potassium hydroxide solution (30 g/l)	No visible effect	Resistant	A
	Resistance to acid & alkalis (High concentration (H))	Hydrochloride acid solution, 18% v/v	No visible effect	Resistant	A
		Latic acid solution (5% v/v)	No visible effect	Resistant	A
		Potassium hydroxide solution (100 g/l)	No visible effect	Resistant	A



Report No.: MR-110326-194-O

Specimen No.	Test	Choice of reagent	Observation	Result	Classification
2	Resistance to house hold chemicals	Ammonium chloride solution (100 g/l)	No visible effect	Resistant	A
	Resistance to swimming pool salt	Sodium hypochlorite solution	No visible effect	Resistant	A
	Resistance to acid & alkalis (Low concentration (L))	Hydrochloride acid solution	No visible effect	Resistant	A
		Citric acid solution (100 g/l)	No visible effect	Resistant	A
		Potassium hydroxide solution (30 g/l)	No visible effect	Resistant	A
	Resistance to acid & alkalis (High concentration (H))	Hydrochloride acid solution, 18% v/v	No visible effect	Resistant	A
		Latic acid solution (5% v/v)	No visible effect	Resistant	A
		Potassium hydroxide solution (100 g/l)	No visible effect	Resistant	A

Specimen No.	Test	Choice of reagent	Observation	Result	Classification
3	Resistance to house hold chemicals	Ammonium chloride solution (100 g/l)	No visible effect	Resistant	A
	Resistance to swimming pool salt	Sodium hypochlorite solution	No visible effect	Resistant	A
	Resistance to acid & alkalis (Low concentration (L))	Hydrochloride acid solution	No visible effect	Resistant	A
		Citric acid solution (100 g/l)	No visible effect	Resistant	A
		Potassium hydroxide solution (30 g/l)	No visible effect	Resistant	A
	Resistance to acid & alkalis (High concentration (H))	Hydrochloride acid solution, 18% v/v	No visible effect	Resistant	A
		Latic acid solution (5% v/v)	No visible effect	Resistant	A
		Potassium hydroxide solution (100 g/l)	No visible effect	Resistant	A

Report No.: MR-110326-194-O

Specimen No.	Test	Choice of reagent	Observation	Result	Classification
4	Resistance to house hold chemicals	Ammonium chloride solution (100 g/l)	No visible effect	Resistant	A
	Resistance to swimming pool salt	Sodium hypochlorite solution	No visible effect	Resistant	A
	Resistance to acid & alkalis (Low concentration (L))	Hydrochloride acid solution	No visible effect	Resistant	A
		Citric acid solution (100 g/l)	No visible effect	Resistant	A
		Potassium hydroxide solution (30 g/l)	No visible effect	Resistant	A
	Resistance to acid & alkalis (High concentration (H))	Hydrochloride acid solution, 18% v/v	No visible effect	Resistant	A
		Latic acid solution (5% v/v)	No visible effect	Resistant	A
		Potassium hydroxide solution (100 g/l)	No visible effect	Resistant	A



Report No.: MR-110326-194-O

Specimen No.	Test	Choice of reagent	Observation	Result	Classification
5	Resistance to house hold chemicals	Ammonium chloride solution (100 g/l)	No visible effect	Resistant	A
	Resistance to swimming pool salt	Sodium hypochlorite solution	No visible effect	Resistant	A
	Resistance to acid & alkalis (Low concentration (L))	Hydrochloride acid solution	No visible effect	Resistant	A
		Citric acid solution (100 g/l)	No visible effect	Resistant	A
		Potassium hydroxide solution (30 g/l)	No visible effect	Resistant	A
	Resistance to acid & alkalis (High concentration (H))	Hydrochloride acid solution, 18% v/v	No visible effect	Resistant	A
		Latic acid solution (5% v/v)	No visible effect	Resistant	A
		Potassium hydroxide solution (100 g/l)	No visible effect	Resistant	A

Remarks: The tested parameters meet the standard requirement GSO ISO 13006:2018/2022E GROUP BIIb.

Note: No traceability details were provided by client

Prepared by



Team Head
Material Science Division (MSD)
Employee Code: METS AJ EC 220



Verified by



Supervisor
Fire & Material Science Division
Employee Code: METS AJ EC 110

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TEST REPORT

Report No.: MR-110326-194-P

Client / Establishment : M/s. Al Maha Ceramics SAOG,
Falaj Al Qabail, Sohar, Sultanate of Oman P.O Box: 482

Sample ID : MS-110326-194
Sample Receiving Date : 11/03/2026
Reporting Date : 31/03/2026
Date of Analysis : 11/03/2026-31/03/2026
Tested by : KV/TM
Issue No : 01 (Re-Issue Date: NA)

Sample Information:

Sample Description : RX 600x600 mm Al Maha Glazed tiles (Rectified)
Work Size : 599x599x10mm

Test Results

Impact Resistance

Temperature: 23°C

Relative Humidity:50%

Test Method: ISO 10545-5:1996

Test	Test Method	Observation	Result
Impact Resistance	ISO 10545-5:1996	No deterioration, radial cracks on the tile surface	0.31
		No deterioration, radial cracks on the tile surface	0.28
		No deterioration, radial cracks on the tile surface	0.26
		No deterioration, radial cracks on the tile surface	0.34
		No deterioration, radial cracks on the tile surface	0.32
		Average	0.30

Remarks: The tested parameters meet the standard requirement GSO ISO 13006:2018/2022E GROUP BIIb.

Note: No traceability details were provided by client

Test Location: Ajman

Prepared by

Team Head
Material Science Division (MSD)
Employee Code: METS AJ EC 220



Verified by

Supervisor
Fire & Material Science Division
Employee Code: METS AJ EC 110

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TEST REPORT

Report No.: MR-110326-194-Q

Client / Establishment	: M/s. Al Maha Ceramics SAOG, Falaj Al Qabail, Sohar, Sultanate of Oman P.O Box: 482
Sample ID	: MS-110326-194
Sample Receiving Date	: 11/03/2026
Reporting Date	: 31/03/2026
Date of Analysis	: 11/03/2026-31/03/2026
Tested by	: KV/TM
Issue No	: 01 (Re-Issue Date: NA)

Sample Information:

Sample Description	: RX 600x600 mm Al Maha Glazed tiles (Rectified)
Work Size	: 599x599x10mm

Test Results

Lead and Cadmium Release

Temperature: 23°C

Relative Humidity:50%

Test Method: ISO 10545-15:2021

Test	Unit	Result
Cadmium Release	mg/dm ²	<0.1
Lead Release		<0.03

Remarks: The tested parameters meet the standard requirement GSO ISO 13006:2018/2022E GROUP BIIb.

Note: No traceability details were provided by client

Prepared by

Team Head
Material Science Division (MSD)
Employee Code: METS AJ EC 220



Verified by

Supervisor
Fire & Material Science Division
Employee Code: METS AJ EC 110

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TEST REPORT

Report No.: MR-110326-194-R

Client / Establishment : M/s. Al Maha Ceramics SAOG,
Falaj Al Qabail, Sohar, Sultanate of Oman P.O Box: 482

Sample ID : MS-110326-194
Sample Receiving Date : 11/03/2026
Reporting Date : 31/03/2026
Date of Analysis : 11/03/2026-31/03/2026
Tested by : KV/TM
Issue No : 01 (Re-Issue Date: NA)

Sample Information:

Sample Description : RX 600x600 mm Al Maha Glazed tiles (Rectified)
Work Size : 599x599x10mm

Test Results

Small Color Difference

Test Method: ISO 10545-16:2010

Specimen No.	Reference Sample			Tested Sample			Color Difference
	L	a	b	L	a	b	ΔE
1	92.49	-0.22	1.79	92.38	-0.18	1.70	0.15
2	92.65	-0.26	1.66	92.55	-0.21	1.58	0.14
3	92.63	-0.23	1.75	92.54	-0.18	1.64	0.15
4	92.48	-0.23	1.77	92.38	-0.20	1.70	0.12
5	92.55	-0.20	1.72	92.47	-0.17	1.66	0.11

Remarks: The tested parameters meet the standard requirement GSO ISO 13006:2018/2022E GROUP BIIb.

Note: No traceability details were provided by client

Test Location: Ajman

Prepared by

Team Head
Material Science Division (MSD)
Employee Code: METS AJ EC 220



Verified by

Supervisor
Fire & Material Science Division
Employee Code: METS AJ EC 110

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TEST REPORT

Report No.: MR-110326-194-S

Client / Establishment : M/s. Al Maha Ceramics SAOG,
Falaj Al Qabail, Sohar, Sultanate of Oman P.O Box: 482

Sample ID : MS-110326-194
Sample Receiving Date : 11/03/2026
Reporting Date : 31/03/2026
Date of Analysis : 11/03/2026-31/03/2026
Tested by : KV/TM
Issue No : 01 (Re-Issue Date: NA)

Sample Information:

Sample Description : RX 600x600 mm Al Maha Glazed tiles (Rectified)
Work Size : 599x599x10mm

Test Results

Resistance to Abrasion

Temperature: 23°C

Relative Humidity:50%

Test Method: ISO 10545-7:1996

Abrasion Stage (PEI METHOD) Visual failure visible @ Number of Revolutions	Classification	Observation
100	0.0	No visible failure were observed
150	1.0	No visible failure were observed
600	2.0	No visible failure were observed
750	3.0	No visible failure were observed
1500	3.0	No visible failure were observed
2100	4.0	Visible failure at 2100 R
6000	4.0	-
12000	4.0	-
>12000 and must pass the test specified in ISO 10545-14 for resistance to stain	5.0	-

Remarks: The tested parameters meet the standard requirement GSO ISO 13006:2018/2022E GROUP BIIb.

Note: No traceability details were provided by client

Test Location: Ajman

Prepared by

Team Head
Material Science Division (MSD)
Employee Code: METS AJ EC 220



Verified by

Supervisor
Fire & Material Science Division
Employee Code: METS AJ EC 110

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TEST REPORT

Report No.: MR-110326-194-T

Client / Establishment	: M/s. Al Maha Ceramics SAOG, Falaj Al Qabail, Sohar, Sultanate of Oman P.O Box: 482
Sample ID	: MS-110326-194
Sample Receiving Date	: 11/03/2026
Reporting Date	: 31/03/2026
Date of Analysis	: 11/03/2026-31/03/2026
Tested by	: KV/TM
Issue No	: 01 (Re-Issue Date: NA)

Sample Information:

Sample Description	: RX 600x600 mm Al Maha Glazed tiles (Rectified)
Work Size	: 599x599x10mm

Test Results

Determination of coefficient of friction

Temperature: 23°C

Relative Humidity:50%

Test Method: ISO 10545-17:2022

Test	Result
Determination of coefficient of friction	Dry 0.56
	Wet 0.24

Remarks: The tested parameters meet the standard requirement GSO ISO 13006:2018/2022E GROUP BIIb.

Note: No traceability details were provided by client

Test Location: Ajman

Prepared by

Team Head
Material Science Division (MSD)
Employee Code: METS AJ EC 220

Verified by

Supervisor
Fire & Material Science Division
Employee Code: METS AJ EC 110



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TEST REPORT

Report No.: MR-110326-194-A

Client / Establishment : M/s. Al Maha Ceramics SAOG,
Falaj Al Qabail, Sohar, Sultanate of Oman P.O Box: 482

Sample ID : MS-110326-194
Sample Receiving Date : 11/03/2026
Reporting Date : 26/03/2026
Date of Analysis : 11/03/2026-25/03/2026
Tested by : KV/TM
Issue No : 01 (Re-Issue Date: NA)

Sample Information:

Sample Description : RX 600x600 mm Al Maha Glazed tiles (Rectified)
Work Size : 599x599x10mm

Test Results

Length test

Test Method: ISO 10545-2:2018

Temperature: 23°C

Relative Humidity: 50%

Test		1	2	3	4	5	6	7
Length		599.4	599.5	599.8	599.7	599.2	599.4	599.3
		599.2	599.3	599.4	599.6	599.6	599.2	599.3
Individual Average		599.30	599.40	599.60	599.65	599.40	599.30	599.30
Average Deviation from the work sizes (%)		0.12	0.10	0.07	0.06	0.1	0.12	0.12
Average Deviation from the work sizes (mm)		0.70	0.60	0.40	0.35	0.60	0.70	0.70
Deviation from the average size of the whole sampling	%	0.02	0	-0.03	0.04	0	0.02	0.02
	mm	0.10	0	-0.2	-0.25	0	0.1	0.1



Report No.: MR-110326-194-A

Test Results

Width Test

Test Method: ISO 10545-2:2018

Temperature: 23°C

Relative Humidity: 50%

Test		1	2	3	4	5	6	7
Width		599.5	599.4	599.7	599.9	599.5	599.8	599.6
		599.5	599.2	599.8	599.4	599.7	599.6	599.4
Individual Average		599.5	599.3	599.8	599.7	599.6	599.7	599.5
Average Deviation from the work size (%)		0.08	0.12	0.03	0.05	0.07	0.05	0.08
Average Deviation from the work size (mm)		0.5	0.7	0.2	0.3	0.4	0.3	0.5
Deviation from the average size of the whole sampling	%	0.02	0.11	-0.03	-0.02	0	-0.02	-0.01
	mm	0.1	0.3	-0.2	-0.1	0	-0.1	0.1



Report No.: MR-110326-194-A

Thickness Test

Test Method: ISO 10545-2:2018

Temperature: 23°C

Relative Humidity: 50%

Test		1	2	3	4	5	6	7
Thickness		9.70	9.71	9.70	9.76	9.77	9.73	9.74
		9.72	9.73	9.72	9.75	9.75	9.74	9.75
		9.73	9.74	9.73	9.76	9.76	9.75	9.75
		9.73	9.74	9.73	9.77	9.76	9.74	9.76
Average		9.72	9.73	9.72	9.76	9.76	9.74	9.75
Average Deviation from the work size (%)		2.80	2.70	2.80	2.40	2.40	2.60	2.50
Average Deviation from the work size (mm)		0.28	0.27	0.28	0.24	0.24	0.26	0.25
Deviation from the average size of the whole sampling	%	0.21	0.10	0.21	-0.21	-0.21	0	-0.10
	mm	0.02	0.01	0.02	-0.02	-0.02	0	-0.01

Test	Result
Average length of ten tiles (mm)	599.4
Average width of ten tiles (mm)	599.6
Average thickness of ten tiles (mm)	9.74

Remarks: The tested parameters meet the standard requirement GSO ISO 13006:2018/2022E GROUP BIIb.

Note: No traceability details were provided by client.

Prepared by



Team Head
Material Science Division (MSD)
Employee Code: METS AJ EC 220



Verified by



Supervisor
Fire & Material Science Division
Employee Code: METS AJ EC 110

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TEST REPORT

Report No.: MR-110326-194-B

Client / Establishment : M/s. Al Maha Ceramics SAOG,
Falaj Al Qabail, Sohar, Sultanate of Oman P.O Box: 482

Sample ID : MS-110326-194
Sample Receiving Date : 11/03/2026
Reporting Date : 26/03/2026
Date of Analysis : 11/03/2026-25/03/2026
Tested by : KV/TM
Issue No : 01 (Re-Issue Date: NA)

Sample Information:

Sample Description : RX 600x600 mm Al Maha Glazed tiles (Rectified)
Work Size : 599x599x10mm

Test Results

Surface flatness

Straightness of sides (along the length)
Temperature: 23°C

Test Method: ISO 10545-2:2018
Relative Humidity: 50%

S/N	1	2	3	4	5	6	7	8	9	10
Side BC (mm)	0.15	0.13	0.15	0.17	0.17	0.18	0.16	0.16	0.14	0.17
Side DA (mm)	0.21	0.19	0.15	0.20	0.22	0.19	0.15	0.15	0.18	0.24
Max. Deviation from Straightness in mm, curvature in mm, related to the corresponding work sizes (Tolerance: $\pm 0.8\text{mm}$)	0.21	0.19	0.15	0.20	0.22	0.19	0.16	0.16	0.18	0.24
Judgement: Pass	Average max. deviation of ten tiles in mm:								0.19	



Report No.: MR-110326-194-B

Surface flatness

Straightness of sides (along the width)

Temperature: 23°C

Test Method: ISO 10545-2:2018

Relative Humidity: 50%

S/N	1	2	3	4	5	6	7	8	9	10
Side AB (mm)	0.18	0.17	0.15	0.15	0.18	0.17	0.17	0.22	0.18	0.18
Side CD (mm)	0.16	0.15	0.12	0.16	0.14	0.20	0.16	0.24	0.22	0.26
Max. Deviation from Straightness in mm, curvature in mm, related to the corresponding work sizes (Tolerance: ± 0.8 mm)	0.18	0.17	0.15	0.16	0.18	0.20	0.17	0.24	0.22	0.26
Judgement: Pass	Average max. deviation of ten tiles in mm:								0.19	

Remarks: The tested parameters meet the standard requirement GSO ISO 13006:2018/2022E GROUP BIIb.

Note: No traceability details were provided by client.

Test Location: Ajman

Prepared by



Team Head
Material Science Division (MSD)
Employee Code: METS AJ EC 220



Verified by



Supervisor
Fire & Material Science Division
Employee Code: METS AJ EC 110

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TEST REPORT

Report No.: MR-110326-194-C

Client / Establishment : M/s. Al Maha Ceramics SAOG,
Falaj Al Qabail, Sohar, Sultanate of Oman P.O Box: 482

Sample ID : MS-110326-194
Sample Receiving Date : 11/03/2026
Reporting Date : 26/03/2026
Date of Analysis : 11/03/2026-25/03/2026
Tested by : KV/TM
Issue No : 01 (Re-Issue Date: NA)

Sample Information:

Sample Description : RX 600x600 mm Al Maha Glazed tiles (Rectified)
Work Size : 599x599x10mm

Test Results

Surface flatness

Edge Curvature (along the length)
Temperature: 23°C

Test Method: ISO 10545-2:2018
Relative Humidity:50%

S/N	1	2	3	4	5	6	7	8	9	10
Side AB (mm)	0.22	0.24	0.27	0.22	0.25	0.22	0.21	0.19	0.20	0.21
Side CD (mm)	0.25	0.21	0.22	0.25	0.26	0.20	0.19	0.24	0.22	0.25
Max. Deviation from Edge curvature in mm, related to sizes (Tolerance: $\pm 1.8\text{mm}$)	0.25	0.24	0.27	0.25	0.26	0.22	0.21	0.24	0.22	0.25
Judgement: Pass	Average max. deviation of ten tiles in mm								0.24	

Report No.: MR-110326-194-C

Surface flatness

Edge Curvature (along the width)

Temperature: 23°C

Test Method: ISO 10545-2:2018

Relative Humidity: 50%

S/N	1	2	3	4	5	6	7	8	9	10
Side BC (mm)	0.20	0.21	0.22	0.22	0.24	0.19	0.18	0.21	0.22	0.20
Side DA (mm)	0.22	0.14	0.19	0.22	0.21	0.24	0.22	0.24	0.24	0.23
Max. Deviation from Edge curvature in mm, related to sizes (Tolerance: $\pm 1.8\text{mm}$)	0.22	0.21	0.22	0.22	0.24	0.24	0.22	0.24	0.24	0.23
Judgement: Pass	Average max. deviation of ten tiles in mm								0.23	

Remarks: The tested parameters meet the standard requirement GSO ISO 13006:2018/2022E GROUP BIIb.

Note: No traceability details were provided by client.

Prepared by



Team Head
Material Science Division (MSD)
Employee Code: METS AJ EC 220



Verified by



Supervisor
Fire & Material Science Division
Employee Code: METS AJ EC 110

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TEST REPORT

Report No.: MR-110326-194-D

Client / Establishment	: M/s. Al Maha Ceramics SAOG, Falaj Al Qabail, Sohar, Sultanate of Oman P.O Box: 482
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Sample ID : MS-110326-194
Sample Receiving Date : 11/03/2026
Reporting Date : 26/03/2026
Date of Analysis : 11/03/2026-25/03/2026
Tested by : KV/TM
Issue No : 01 (Re-Issue Date: NA)

Sample Information:

Sample Description	: RX 600x600 mm Al Maha Glazed tiles (Rectified)
Work Size	: 599x599x10mm

Test Results:

Surface flatness

Rectangularity (along the length)
Temperature: 23°C

Test Method: ISO 10545-2:2018
Relative Humidity: 50%

S/N	1	2	3	4	5	6	7	8	9	10
Side BC (mm)	0.11	0.18	0.21	0.17	0.20	0.18	0.22	0.22	0.19	0.21
Side DA (mm)	0.15	0.17	0.22	0.19	0.18	0.20	0.19	0.20	0.18	0.16
Max. Deviation From rectangularity curvature in mm, related to the corresponding work sizes (Tolerance: ± 1.5 mm)	0.15	0.18	0.22	0.19	0.20	0.20	0.22	0.22	0.19	0.21
Judgement: Pass	Average max. deviation of ten tiles in mm:								0.20	



Report No.: MR-110326-194-D

Surface flatness

Rectangularity (along the width)

Temperature: 23°C

Test Method: ISO 10545-2:2018

Relative Humidity: 50%

S/N	1	2	3	4	5	6	7	8	9	10
Side AB (mm)	0.15	0.15	0.15	0.22	0.20	0.20	0.16	0.18	0.16	0.19
Side CD (mm)	0.16	0.20	0.16	0.15	0.17	0.18	0.17	0.21	0.24	0.21
Max. Deviation From rectangularity curvature in mm, related to the corresponding work sizes (Tolerance: ± 1.5 mm)	0.16	0.20	0.16	0.22	0.20	0.20	0.17	0.21	0.24	0.21
Judgement: Pass	Average max. deviation of ten tiles in mm:								0.19	

Remarks: The tested parameters meet the standard requirement GSO ISO 13006:2018/2022E GROUP BIIb.

Note: No traceability details were provided by client

Prepared by



Team Head
Material Science Division (MSD)
Employee Code: METS AJ EC 220



Verified by



Supervisor
Fire & Material Science Division
Employee Code: METS AJ EC 110

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TEST REPORT

Report No.: MR-110326-194-E

Client / Establishment : M/s. Al Maha Ceramics SAOG,
Falaj Al Qabail, Sohar, Sultanate of Oman P.O Box: 482

Sample ID : MS-110326-194
Sample Receiving Date : 11/03/2026
Reporting Date : 26/03/2026
Date of Analysis : 11/03/2026-25/03/2026
Tested by : KV/TM
Issue No : 01 (Re-Issue Date: NA)

Sample Information:

Sample Description : RX 600x600 mm Al Maha Glazed tiles (Rectified)
Work Size : 599x599x10mm

Test Results:

Surface Quality

Test Method: ISO 10545-2:2018

Temperature: 23°C

Relative Humidity: 50%

Test	Observation	Assessment of criteria used
Surface Quality (Visible Defects)	The percentage of tile without defect: 100% The tiles tested are free from visible defects.	Visual Observation

Remarks: The tested parameters meet the standard requirement GSO ISO 13006:2018/2022E GROUP BIIb.

Note: No traceability details were provided by client.

Prepared by

Team Head
Material Science Division (MSD)
Employee Code: METS AJ EC 220



Verified by

Supervisor
Fire & Material Science Division
Employee Code: METS AJ EC 110

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TEST REPORT

Report No.: MR-110326-194-F

Client / Establishment : M/s. Al Maha Ceramics SAOG,
Falaj Al Qabail, Sohar, Sultanate of Oman P.O Box: 482

Sample ID : MS-110326-194
Sample Receiving Date : 11/03/2026
Reporting Date : 31/03/2026
Date of Analysis : 11/03/2026-31/03/2026
Tested by : KV/TM
Issue No : 01 (Re-Issue Date: NA)

Sample Information:

Sample Description : RX 600x600 mm Al Maha Glazed tiles (Rectified)
Work Size : 599x599x10mm

Test Results:

Water Absorption

Temperature: 23°C

Relative Humidity: 50%

Test	Test Method	Unit	Result
Water Absorption	ISO 10545-3:2018	%	8.24
			8.03
			7.92
			7.88
			8.31
Average			8.08

Remarks: The tested parameters meet the standard requirement GSO ISO 13006:2018/2022E GROUP BIIb.

Note: No traceability details were provided by client

Test Location: Ajman

Prepared by

Team Head
Material Science Division (MSD)
Employee Code: METS AJ EC 220



Verified by

Supervisor
Fire & Material Science Division
Employee Code: METS AJ EC 110

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TEST REPORT

Report No.: MR-110326-194-G

Client / Establishment	: M/s. Al Maha Ceramics SAOG, Falaj Al Qabail, Sohar, Sultanate of Oman P.O Box: 482
Sample ID	: MS-110326-194
Sample Receiving Date	: 11/03/2026
Reporting Date	: 31/03/2026
Date of Analysis	: 11/03/2026-31/03/2026
Tested by	: KV/TM
Issue No	: 01 (Re-Issue Date: NA)
Sample Information:	
Sample Description	: RX 600x600 mm Al Maha Glazed tiles (Rectified)
Work Size	: 599x599x10mm

Test Results:

Breaking Strength

Test Method: ISO 10545-4:2019

Temperature: 23°C

Relative Humidity:50%

Long side of tile (L)	Diameter of rod (D)	Thickness of rubber (t)	Overlap of tile beyond the edge supports (l ₁)
600mm	20mm	5mm	10mm

Length (mm)	Width (mm)	Thickness (mm)	Span (mm)	Max. Load (N)	Breaking Strength (N)
600.0	300	9.74	580	1031	1993
600.0	300	9.74	580	1084	2096
600.0	300	9.74	580	1041	2013
600.0	300	9.74	580	1032	1995
600.0	300	9.74	580	1055	2040
Average					2027

Remarks: The tested parameters meet the standard requirement GSO ISO 13006:2018/2022E GROUP BIIb.

Note: No traceability details were provided by client

Test Location: Ajman

Prepared by

Team Head
Material Science Division (MSD)
Employee Code: METS AJ EC 220



Verified by

Supervisor
Fire & Material Science Division
Employee Code: METS AJ EC 110

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TEST REPORT

Report No.: MR-110326-194-H

Client / Establishment : M/s. Al Maha Ceramics SAOG,
Falaj Al Qabail, Sohar, Sultanate of Oman P.O Box: 482

Sample ID : MS-110326-194
Sample Receiving Date : 11/03/2026
Reporting Date : 31/03/2026
Date of Analysis : 11/03/2026-31/03/2026
Tested by : KV/TM
Issue No : 01 (Re-Issue Date: NA)

Sample Information:

Sample Description : RX 600x600 mm Al Maha Glazed tiles (Rectified)
Work Size : 599x599x10mm

Test Results:

Breaking Strength

Test Method: ISO 10545-4:2019

Temperature: 23°C

Relative Humidity: 50%

Long side of tile (L)	Diameter of rod (D)	Thickness of rubber (t)	Overlap of tile beyond the edge supports (l ₁)
600mm	20mm	5mm	10mm

Length (mm)	Width (mm)	Thickness (mm)	Span (mm)	Max. Load (N)	Modulus Of Rupture (N/mm ²)
600.0	300	9.74	580	1031	31.5
600.0	300	9.74	580	1084	33.1
600.0	300	9.74	580	1041	31.8
600.0	300	9.74	580	1032	31.5
600.0	300	9.74	580	1055	32.2
Average					32.0

Remarks: The tested parameters meet the standard requirement GSO ISO 13006:2018/2022E GROUP BIIb.

Note: No traceability details were provided by client

Test Location: Ajman

Prepared by

Team Head
Material Science Division (MSD)
Employee Code: METS AJ EC 220



Verified by

Supervisor
Fire & Material Science Division
Employee Code: METS AJ EC 110

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TEST REPORT

Report No.: MR-110326-194-I

Client / Establishment : M/s. Al Maha Ceramics SAOG,
Falaj Al Qabail, Sohar, Sultanate of Oman P.O Box: 482

Sample ID : MS-110326-194
Sample Receiving Date : 11/03/2026
Reporting Date : 31/03/2026
Date of Analysis : 11/03/2026-31/03/2026
Tested by : KV/TM
Issue No : 01 (Re-Issue Date: NA)

Sample Information:

Sample Description : RX 600x600 mm Al Maha Glazed tiles (Rectified)
Work Size : 599x599x10mm

Test Results

Crazing Resistance

Test Method: ISO 10545-11:1994

Temperature: 23°C

Relative Humidity:50%

Test	Specimen No.	Observation	Result
Crazing Resistance	1	No Craze marks were observed between temperature 23°C & 160°C	Resistant
	2	No Craze marks were observed between temperature 23°C & 160°C	Resistant
	3	No Craze marks were observed between temperature 23°C & 160°C	Resistant
	4	No Craze marks were observed between temperature 23°C & 160°C	Resistant
	5	No Craze marks were observed between temperature 23°C & 160°C	Resistant

Remarks: The tested parameters meet the standard requirement GSO ISO 13006:2018/2022E GROUP BIIb.

Note: No traceability details were provided by client

Test Location: Ajman

Prepared by

Verified by

Team Head
Material Science Division (MSD)
Employee Code: METS AJ EC 220



Supervisor
Fire & Material Science Division
Employee Code: METS AJ EC 110

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TEST REPORT

Report No.: MR-110326-194-J

Client / Establishment	: M/s. Al Maha Ceramics SAOG, Falaj Al Qabail, Sohar, Sultanate of Oman P.O Box: 482
Sample ID	: MS-110326-194
Sample Receiving Date	: 11/03/2026
Reporting Date	: 31/03/2026
Date of Analysis	: 11/03/2026-31/03/2026
Tested by	: KV/TM
Issue No	: 01 (Re-Issue Date: NA)
Sample Information:	
Sample Description	: RX 600x600 mm Al Maha Glazed tiles (Rectified)
Work Size	: 599x599x10mm

Test Results:

Linear Thermal Expansion

Test Method: ISO 10545-8:2014

Temperature: 23°C

Relative Humidity: 50%

Test	Unit	Result
Linear Thermal Expansion	°C ⁻¹	2.51×10 ⁻⁶
		2.56×10 ⁻⁶
Average		2.54×10 ⁻⁶

Remarks: The tested parameters meet the standard requirement GSO ISO 13006:2018/2022E GROUP BIIb.

Note: No traceability details were provided by client

Test Location: Ajman

Prepared by

Verified by

Team Head
Material Science Division (MSD)
Employee Code: METS AJ EC 220



Supervisor
Fire & Material Science Division
Employee Code: METS AJ EC 110

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TEST REPORT

Report No.: MR-110326-194-K

Client / Establishment	: M/s. Al Maha Ceramics SAOG, Falaj Al Qabail, Sohar, Sultanate of Oman P.O Box: 482
Sample ID	: MS-110326-194
Sample Receiving Date	: 11/03/2026
Reporting Date	: 31/03/2026
Date of Analysis	: 11/03/2026-31/03/2026
Tested by	: KV/TM
Issue No	: 01 (Re-Issue Date: NA)

Sample Information:

Sample Description	: RX 600x600 mm Al Maha Glazed tiles (Rectified)
Work Size	: 599x599x10mm

Test Result:

Resistance to Thermal Shock

Test Method: ISO 10545-9:2013

Temperature: 23°C

Relative Humidity:50%

Test		Observation	Result
Thermal shock resistance	With immersion	No visible defect was observed after 10 cycles between 15 °C & 145 ° C	Resistant
	Without immersion		Resistant

Remarks: The tested parameters meet the standard requirement GSO ISO 13006:2018/2022E GROUP BIIb.

Note: No traceability details were provided by client

Prepared by

Team Head
Material Science Division (MSD)
Employee Code: METS AJ EC 220

Verified by

Supervisor
Fire & Material Science Division
Employee Code: METS AJ EC 110



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