

Test Certificate

Hasniah Bldg. Mat. Tr. LLC
INDUSTRIAL AREA # 4 KING FAISAL STREET
Sharjah
SHARJAH
United Arab Emirates

Report Number D922531 : Issue 1
Page 1 of 1
Order Number CCR# 14838
Date Tested 27/02/25
Date Reported 06/03/25

Attn: Mr.Mohamed Hasania
Item - 1.0mm Thick Coated Aluminium Profile Section
Specification - None

Chemical Analysis - EMT-M-OP-CH-MD101 (OES)												Comments
	Si [%]	Mn [%]	Cr [%]	Al [%]	Cu [%]	Ti [%]	Fe [%]	Mg [%]	Zn [%]			
001:	0.41	0.01	<0.001	98.8	0.002	0.023	0.09	0.58	0.012			Nil

Coating Thickness - Meter Gauge/Elcometer			
	Position	Result	Comments
002:Coated Component	Surface	Average: 15.0 Micron	Readings (Microns): 16.0, 14.0, 15.0, 16.0, 14.0

Salt Spray Test - ASTM B117 -19		
	Exposure	Comments
003:Plated Components	-	See attached report # WR25-01085

Certificate Comments

*
This is an electronically issued test certificate.
No Signature / Stamp is required.
Item/Description: Provided by the client.
----- End of Text -----

Tested by **Element MT ME Ltd Abu Dhabi & Al Futtaim Element Dubai**




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Suleef Kallayil
Lab Supervisor- Metallurgy
For and on authority of
Al Futtaim Element Materials

Test Report

Testing of Stainless Steel (1.0mm thick Coated Aluminium Profile Section for Salt Spray (Fog) testing according to ASTM B117-19

Client : M/s. Hasniah Bldg. Mat. Tr. LLC
INDUSTRIAL AREA # 4 KING FAISAL STREET
Sharjah, United Arab Emirates

Received Date : 19.02.2025.
Request No : D922531
Report No : WR25-01085
Report Date : 25.02.2025
MIF No. : 02390
Ord No. : CCR#

1.0 INTRODUCTION

Further to the test work instructions received from M/s. Hasniah Bldg. Mat. Tr. LLC, dated 19.02.2025, to carry out Salt Spray (Fog) testing according to ASTM B117-19. The Stainless Steel (1.0mm thick Coated Aluminium Profile Section has been tested for the following by Al Futtam Element Materials Technology Dubai L.L.C

2.0 RESULTS

The results are provided in Section 3, and photographs before and after exposure are shown in Section 4 of the attached sheets. This report consists of 3 pages.

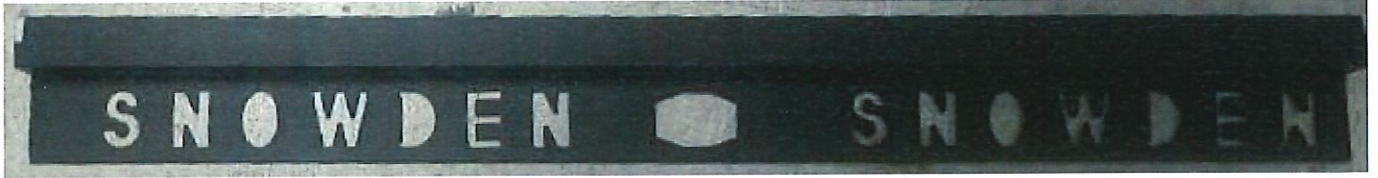
3.0 Salt Spray (Fog) Test according to ASTM B117-19

One specimen of a Stainless Steel (1.0mm thick Coated Aluminium Profile Section) was received. After conditioning, the specimen was placed in the cabinet, facing upwards at an angle of 20°. The program was set to the selected test conditions and operated continuously throughout the required exposure period. The solution collected in each of the collecting devices had a sodium chloride concentration and pH value within the specified range. The average rate of solution collection in each device was measured over a 24-hour period of continuous spraying. At the end of the 96-hour exposure period, the specimen was removed from the test chamber and cleaned using running water. Evaluation was carried out through visual examination, in accordance with ASTM D610. Test observations are as follows

Test Details

Sample Description	Stainless Steel (1.0mm thick Coated Aluminium Profile Section)
Number of panels	1
Date Test Started	21.02.2025
Date of Completion	22.02.2025
Exposure Duration	24 Hrs.
Salt Solution	5 ± 1 parts by mass of (AR) sodium chloride & 95 parts of (DI) water Type IV
pH of collected solution at temperature	7.0 at 25°C
Test Temperature	35 ±2 °C
Collection vessel pH	6.50 to 7.20
Rate of collection	1 to 2 ml / hour
Specific gravity & temperature of Collected solution	1.028 g/ml at 25°C
Interruptions in Exposure	None
Cleaning of Tested Specimens	Specimens clean under running water
Visual observation before exposure	Visual observation after exposure
No visual defects observed	No sign original appearance, No Indication at deterioration, like blistering & chalking or discoloration observed.

4.1 Photographs before Salt spray Exposure



4.2 Photographs After Salt spray Exposure



End of the Report

Zaheer Ahmad
Lab Manager Site

For and on behalf of Al Futtaim Element Materials Technology Dubai L.L.C
Tested by: SSK