



REPORT ON DETERMINATION OF SALT SPRAY RESISTANCE

Page 1 of 1

Client : M/S. Hwa Lin Stainless Steel Industry Co. Ltd. Report No : STR-170326/1628-
Address : 61/271-272 Rama 9 Road, Huay Lab Project No : P-3863
Kwang, Huay Kwang Bangkok 10310 Sample No : STQ-170326/607
Thailand Date sample received : 26/03/2017
Contractor : NP Date test started : 27/03/2017
Consultant : NP Date test completed : 08/05/2017
Project Name : NP Report Date : 14/06/2017
Project No. : NP pH of the salt solution : 6.7
Sample description : SS 316 TI Gold Pressure of Air applied : 172 KPa/m²
Dimension of specimen : 150 X 100 mm Temperature of Chamber : 35 °C
Position of Specimen : 20° Salt solution used : 5% NaCl
No. of specimens tested : 1 Required duration of exposure : 1000 h
Source of sample : NP Duration of exposure completed : 1000 h
Sampled by : Client Volume of fog (Salt solution) in each hour : 1.5 ml
Sample brought in by : Client Tested by : ZIA
Date of Sampling : NP

Introduction:

Steel Engineering Development Co. LLC appointed Material Lab for determination of Salt Spray resistance of coated steel plates in accordance with ASTM B 117-02.

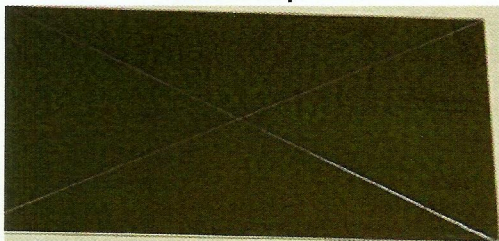
Test Methods:

To determine the resistance of the coating of Steel plates, specimens were exposed to salt spray for 1000 h. The testing temperature was 35°C while the humidity was 80%. Upon completion of exposure the coated specimens were visually inspected.

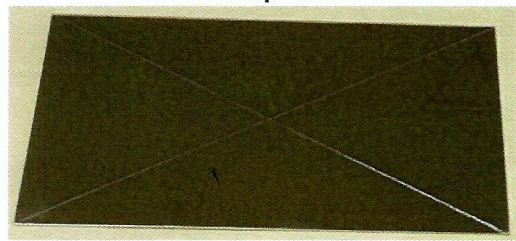
Test Results:

Lab specimen No.	Test description	Results
STQ-170326/607/1	Visual observation after 1000 h exposure	No corrosion was observed

Before Exposure



After Exposure



Test method : ASTM B 117-02
Method variation : None
Preparation of solution : ASTM B 117-02 Section 8
Cleaning of test specimen : ASTM B 117-02 Section 13
Remarks : This is an amendment of report # STR-170326/1628 issued on 09/05/2017 which is withdrawn & superseded by report # STR-170326/1628-A due to the additional info provided by the Client.

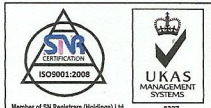
Results relate only to the item tested.

This report shall not be reproduced except in full, without written approval of the laboratory.



Authorized Signatory
Raja Kumar
Deputy Tech Manager

Certificate Number: SNR 30362926/4/Q



ماتيريال لاب- دبي، صندوق بريد: ١١٤٧١٧ هاتف: ٥٦٧٨-٩٧١٤٣٤٠٥٦٧٧ فاكس: ٩٧١٢٥٥٣٠٤١
ماتيريال لاب لخدمات الفحص ذ.م.م. - أبوظبي: صندوق بريد: ٦١٨٣١، هاتف: ٩٧١٢٥٥٣٠٤٠ فاكس: ٩٧١٢٥٥٣٠٤١
Material Lab - Dubai, P.O. Box: 114717, Tel. + 971 4 3405678, Fax: + 971 4 3405677

Material Lab Testing Services L.L.C. - Abu Dhabi: P.O. Box - 61831, Tel. + 971 2 5503040 Fax: +971 2 5503041
Email: mld@eim.ae Website: www.mlab.ae