

SCROOBY'S LABORATORY SERVICE (Pty) Ltd

Spectrographic, Chemical and Mechanical Testing of Materials

Established 1999

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0200

Date Received: 14 August 2023

Date Tested: 15/08 – 05 September 2023

Date Reported: 14 September 2023

Order No:

ATTENTION:

CERTIFICATE OF TEST

REFERENCE No: **33945**

SALT SPRAY TESTING OF PLATES

INTRODUCTION

Four samples were supplied for salt spray testing as described in SANS / ISO 9227 : 2014.

The exposure period was to be 500 hours.

The components were identified as;

0.9 ZM100

1.2 Z275

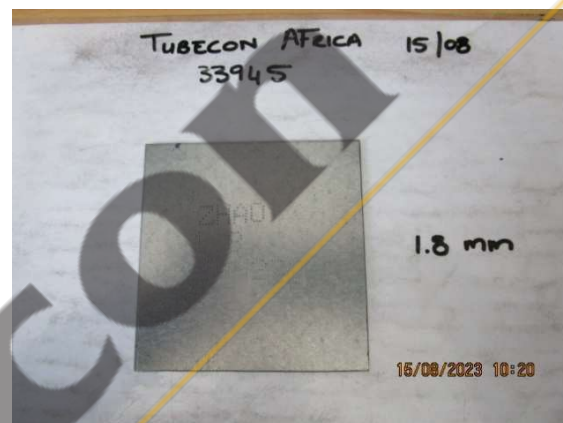
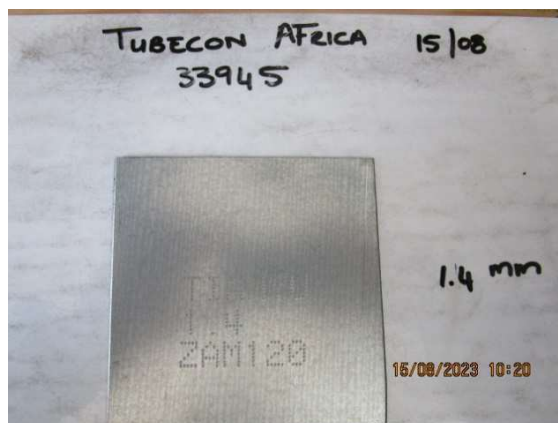
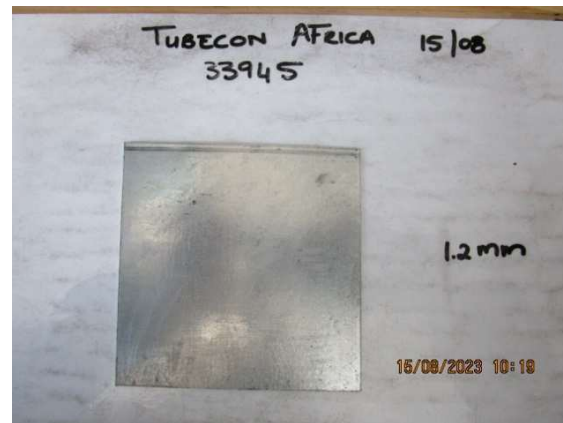
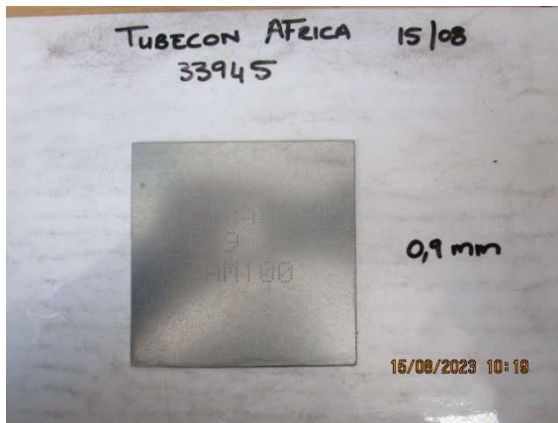
1.4 ZM120

1.8 ZM275

SALT SPRAY TEST

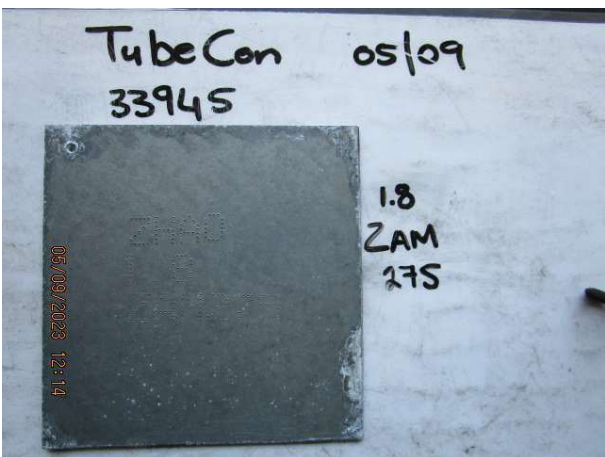
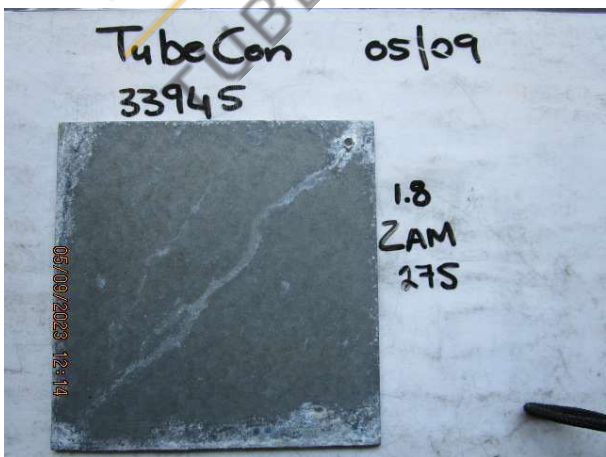
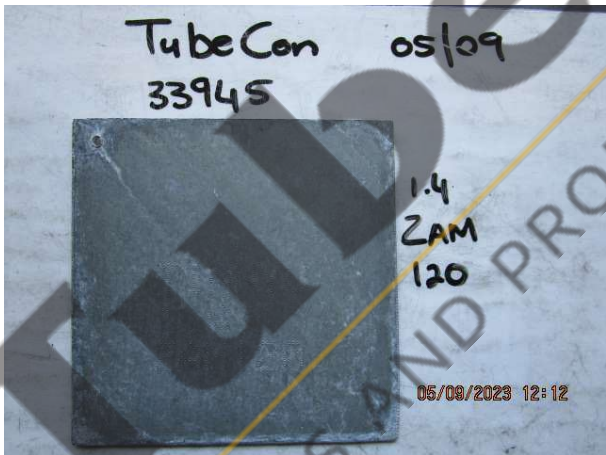
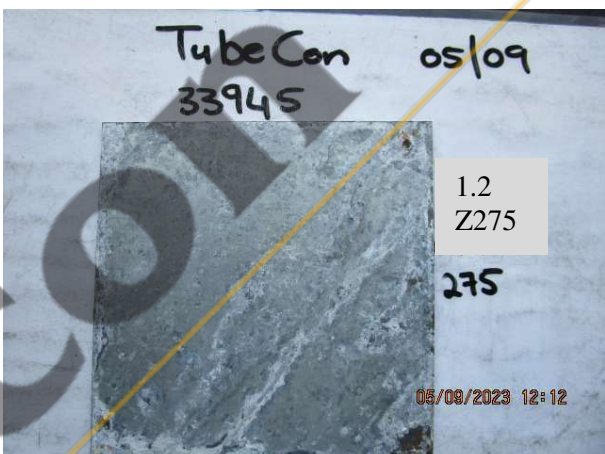
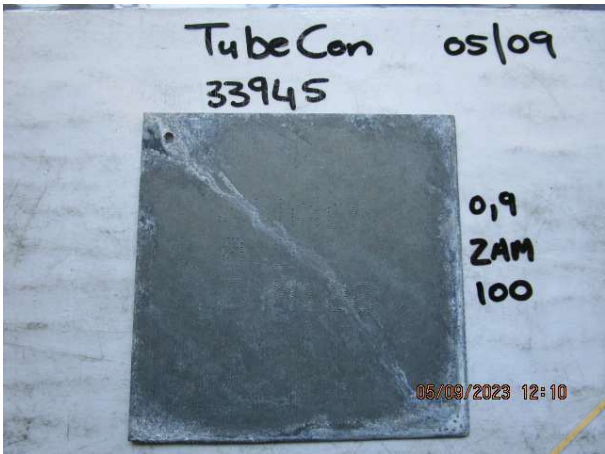
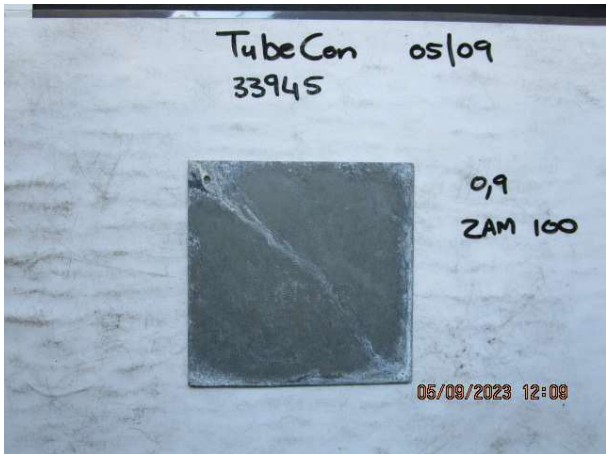
The test was conducted as per the SANS / ISO 9227: 2014 specification. The actual conditions of test are tabulated as follows.

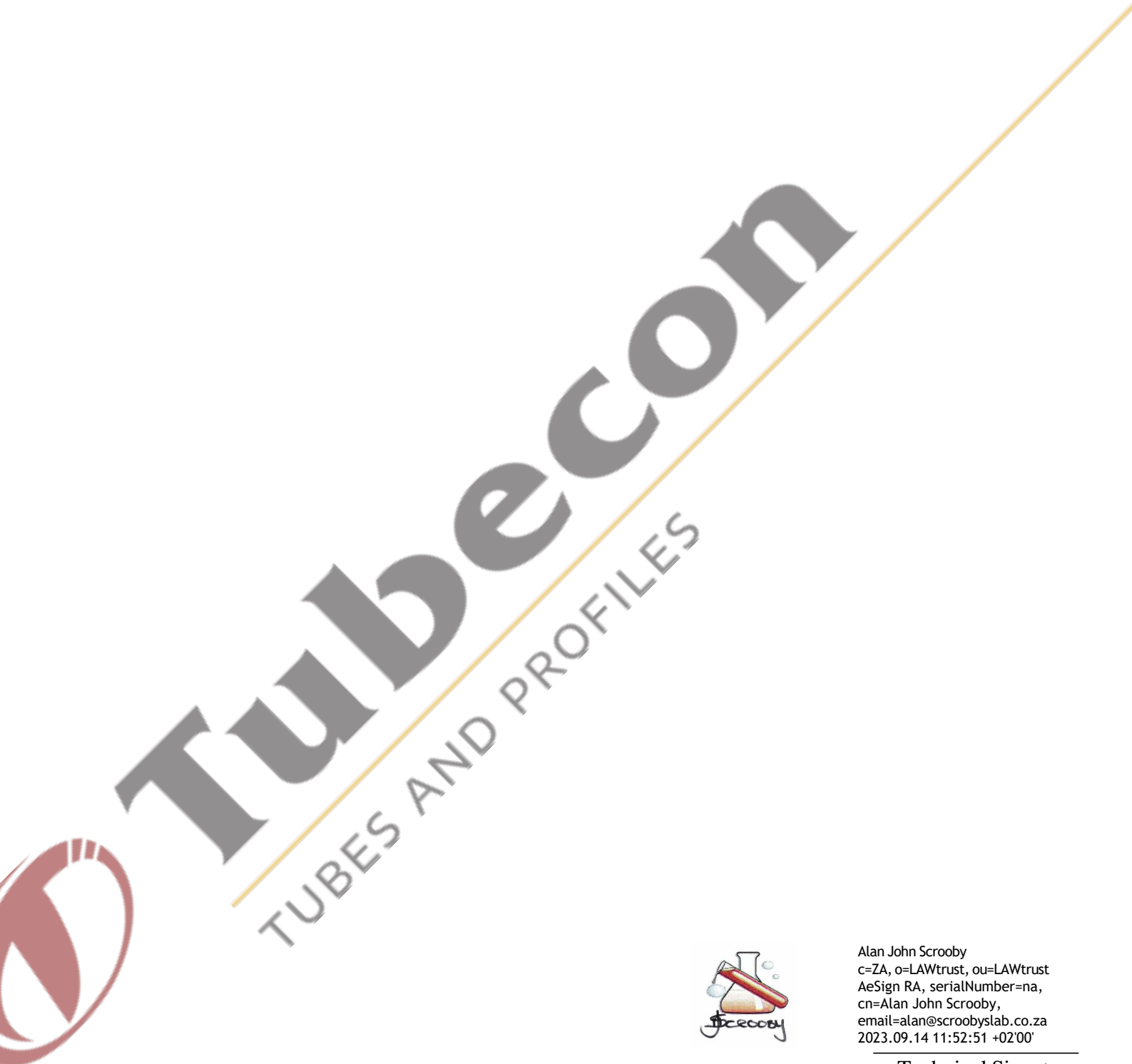
Condition	Average over 500Hrs	SANS / ISO 9227: 2014
Temperature of exposure zone °C	33.2	35 ±2
Fog collection rate ml.80cm ⁻² .hr ⁻¹	1.20	1 – 2
pH of collected fog at 20°C	6.80	6.5 - 7.2
SG of collected fog @ 25°C	1.03	
Salt concentration % (NaCl)	4.90	5% or 50g/l ±5g/l
Salt (NaCl) used for solution.	AR	
Water used for solution.	De-ionised	De-ionised

Samples as received**OBSERVATIONS**

HOURS EXPOSURE	0.9 ZM100	1.2 Z275	1.4 ZM120	1.8 ZM275
48	White rust	Severe white rust	White rust	White rust
140	White rust	Severe white rust	White rust	White rust
309	White rust	Red rust	White rust	White rust
400	Red rust	Red rust	White rust	White rust
500	Red rust	Red rust	Red rust	White rust

After 500 hours exposure



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2023.09.14 11:52:51 +02'00'

Technical Signatory

The results relate only to the items as received and tested.

*Results in this report are not included in the SANAS Schedule of accreditation for Scrooby's Laboratory. *Opinions and interpretations are outside the scope of the SANAS Schedule of accreditation for Scrooby's Laboratory*. Our SANAS accreditation demonstrates technical competency for*

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