

LM

## Approved Test Certificate

Our Ref: Certificate TS 253058-60  
Your Ref: Letter DB 22.9.03

Received: 23/09/2003  
Issued: 27/11/2003

### 168 Hour Neutral Salt Spray Test

Items Tested: 3 No Samples;  
Mild Steel Block: 49.93 x 37.75 x 11.29mm, 166.4728g  
Pure Iron Block: 49.48 x 37.68 x 11.22mm, 164.8102g  
Wrought Iron Block: 49.15 x 37.10 x 9.79mm, 135.5888g

Identified: MS, PI and WI

Test Specification: ASTM B117-02

Test Cabinet Details: C & W Model SF4, 450 litres capacity

Test Condition Requirements: Temperature 35°C + 1.1°C – 1.7°C  
Concentration of collected solution 5% ± 1%  
(1.0255/1.0400 SG)  
pH of collected solution 6.5 - 7.2

Recorded Conditions: Temperature 34.9 - 35.1°C  
Concentration of collected solution 1.037 - 1.040 SG  
pH of collected solution 6.5 - 6.6

Results:

All samples showed some rusting at 24 hours which steadily increased until 168 hours when all showed medium to heavy red rust.

Weights at end of test;

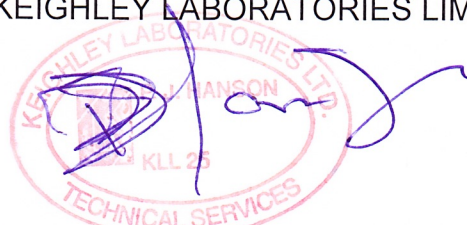
MS - 164.8345  
PI - 163.5306  
WI - 134.1176

Weight Loss;

g/m<sup>2</sup>  
288  
223  
277

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