



## Aluminium Alloy Extrusion Resistance to Surface Marking

### Introduction

Ceram Building Technology (now Lucideon) carried out tests on various aluminium strip materials to determine their resistance to surface marking.

### Sample Description

The following 1000mm x 100mm strip materials were tested:

- + GA 0178 Mill finish (reference sample)
- + GA 0178s Natural anodised

### Test Method

Each sample, commencing with the mill finish, was horizontally attached to a rigid substrate.

A 120mm x 40mm piece of P40 grade emery paper was placed, abrasive side down, onto the strip material. Lead weights, totalling 2.16kg, were then placed onto the emery paper. A cable attached at one end to weights and passing over a pulley, was then attached to the emery paper and allowed to pull the emery paper and lead weights laterally across the surface of the strip material.

### Test Results

The full results for the tests are given in Table 1.

From the results obtained it is clear the surface texture of the sample or profile of the sample is the major controlling factor to the visual assessment of the damage.

**Table 1 Surface Marking Results**

Sample Code	Number of Passes
GA 0178 Mill Finish (reference sample)	1
GA 0178s Anodised	4

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