

# Calibration & Certification

PCWI International are leaders in the manufacture, certification and distribution of specialist measuring instruments relevant to the metals construction and coating industries.

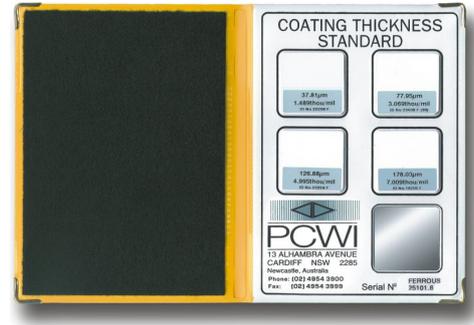


## Coating Thickness Standard

### Features

Calibrating and checking the accuracy of all coating thickness instruments. Manufactured by PCWI, the sets are available as Ferrous or Non-ferrous Standards, and consist of a zero, and four coated plates.

Our test results are traceable to national or international standards of measurement via NATA Endorsed Test Report No: 7230209/11 traceable to NMIA, and via NVLAP Certificates of Calibration No's: 09-69833-B & 09-69833-C, traceable to NIST. The NATA & NVLAP MRA ensures the acceptance of these reports as equivalent in each other's economy.



All standards are housed in a leatherette folder. Available in combined imperial/metric ranges. **The thickness of each plate can be manufactured to your requirement.**

### Thickness Ranges

#### Ferrous & Non-ferrous:

10µm to 50µm	(in 5µm increments)
50µm to 100µm	(in 10µm increments)
100µm to 200µm	(in 25µm increments)
200µm to 500µm	(in 50µm increments)
500µm to 1000µm	(in 100µm increments)
1000µm to 1500µm	(in 250µm increments)
1500µm to 12500µm	(in 500µm increments)

#### Example Sets

Heavy Duty Coating  
0, 75, 150, 250, and 500µm

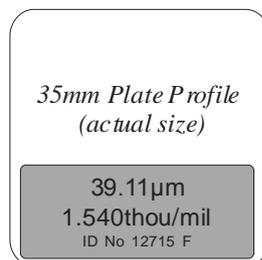
Galvanising  
0, 50, 80, 125, and 200µm

Powder Coating  
0, 35, 75, 125, and 175µm

Plating & Anodising  
0, 10, 15, 20 and 40µm

Ultra High Builds  
0, 750 to 12500µm

Area of measurement:  
Centre of white exposed area



### Specifications

#### Plate size:

35 x 35 x 2mm (up to 550µm);  
43 x 43 x 2mm (above 550µm).

#### Base material:

Steel (Ferrous);  
Aluminium (Non-Ferrous).

#### Thickness material:

Epoxy (up to 550µm);  
Acrylic (above 550µm).  
Resolution:  
0.01µm

#### Uncertainty of Measurement:

Steel (Ferrous):  
±0.25µm at 95% confidence level (up to 6000µm)  
±0.40µm at 95% confidence level (6000µm to 12500µm)  
Aluminium (Non-Ferrous):  
±0.30µm at 95% confidence level (up to 6000µm)  
±0.45µm at 95% confidence level (6000µm to 12500µm)

### Also Available

#### Measured Test Films (Shims)

Working or Certified sets in various thicknesses.

#### Uncertainty of Measurement:

±0.6µm up to 6000µm  
±0.8µm from 6000µm up to 12500µm

### Zero Plates

Ferrous or Non Ferrous

In support of our policy of continuous product improvement we reserve the right to change materials and specifications without notice. Drawings, where used, are not to scale. All dimensions are in millimetres and sizes given are approximate. Where possible, technical MSDS data sheets are made available on the website. All products should be installed and used in accordance with manufacturer's instructions provided. Warning: products may be the subject of registered designs and patents. Refer to website for terms and conditions on warranty.

