**Elcometer 106 Pull-Off Adhesion Tester**

This easy to operate and fully portable Type II adhesion gauge provides a numerical value for adhesion.

Applications include paint or plasma spray on bridge decking, coatings on steel, aluminium, concrete etc.
- Supplied in a carry case - ideal for site tests
- Hand operated - no power supply necessary
- Includes a cutter for EN13144 and ISO 4624 tests

**Test Method**

A test dolly is bonded to the coating using an adhesive. The Elcometer 106 houses a spring arrangement which applies a lift force to the dolly as the tension is increased. When the coating is pulled off the surface, an indicator on the scale shows the numerical value of adhesion expressed in terms of the force per unit area required to remove the dolly. Inspection of the dolly face is required to determine the failure mode.

**Technical Specification**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>MPa (N/mm²)</th>
<th>Range</th>
<th>psi</th>
<th>Certificate</th>
</tr>
</thead>
<tbody>
<tr>
<td>F106----5</td>
<td>Elcometer 106 Adhesion Tester - Scale 5</td>
<td>0 - 0.2</td>
<td>0 - 2</td>
<td>0 - 30</td>
<td>○</td>
</tr>
<tr>
<td>F106----1</td>
<td>Elcometer 106 Adhesion Tester - Scale 1</td>
<td>0 - 3.5</td>
<td>0 - 35</td>
<td>0 - 500</td>
<td>○</td>
</tr>
<tr>
<td>F106----2</td>
<td>Elcometer 106 Adhesion Tester - Scale 2</td>
<td>0 - 7.0</td>
<td>0 - 70</td>
<td>0 - 1000</td>
<td>○</td>
</tr>
<tr>
<td>F106----3</td>
<td>Elcometer 106 Adhesion Tester - Scale 3</td>
<td>0 - 15</td>
<td>0 - 150</td>
<td>0 - 2000</td>
<td>○</td>
</tr>
<tr>
<td>F106----4</td>
<td>Elcometer 106 Adhesion Tester - Scale 4</td>
<td>0 - 22</td>
<td>0 - 220</td>
<td>0 - 3200</td>
<td>○</td>
</tr>
</tbody>
</table>

**Dimensions**

- Scales 1, 2, 5: 175 x 76mm (7 x 3”) Scales 3 and 4: 185 x 76mm (7.5 x 3”)
- Dolly Diameter: 20mm (0.76”)
- Dolly Area: 314mm² (0.49 sq inch)
- Gross weight of Kit: Scale 1, 2 and 5: 2.8kg (6.2lb) Scale 3: 4.2kg (9.3lb) Scale 4: 4.5kg (9.9lb)

**Packing List**

- Elcometer 106 Pull-Off Adhesion Tester, pack of 20 dollies, Araldite adhesive, base support ring, magnetic dolly clamp, dolly cutter, carry case and operating instructions

**Standards:**

- AS 1580.408.5, ASTM D 4541, AS/NZS 1580.408.5, EN 13144, EN 24624, ISO 4624, ISO 16276-1, JIS K 5600-5-7, NF T30-062, NF T30-606

**Accessories**

- T1062895-10: Spare Dollies 20mm (0.76”) Diameter (Pack of 10)
- T1062895-: Spare Dollies 20mm (0.76”) Diameter (Pack of 100)
- T1062914-: Large Dollies 40mm (1.52”) Diameter (Pack of 5)
- T1062915-: Large Base Ring for 40mm (1.52”) Dollies
- T99923924: Elcometer AVU Adhesion Verification Unit - see page 10-11 for further information
- T99912906: Araldite Standard Two Part Epoxy Adhesive, 2 x 15ml Tubes
- T99914009: 20mm (0.76”) Dolly Cutter

○ Optional Calibration Certificate available.