Elcometer 106/6 Coatings on Concrete Adhesion Tester

**At a glance**
- Designed specifically to meet the requirements of measuring coating adhesion on concrete.
- Designed for a 50mm/2” test dolly.
- Easy to use, provides reliable results in both MPa & PSI.

Can be used in accordance with:

| ACI 503R | BS 1881 part 207 | BS EN 1542 |

Elcometer 106/6 Coatings on Concrete Adhesion Tester

The Elcometer 106/6 adhesion tester has been specifically designed to measure coatings on concrete.

Operating in a similar way to the rest of the Elcometer 106 Adhesion Testers, the Elcometer 106/6 allows for a 50mm (2”) larger dolly for testing coatings on concrete:

- Fully portable and comes in a carrying case – ideal for site tests
- Hand operated so you don’t have to worry about a power supply!

Adhesion

From the largest man-made structures to the smallest household appliances, most manufactured products have a protective or cosmetic coating. Premature failure of this coating can, at the very least, result in costly penalties or rework.

Adhesion testing during the coating process will quantify the strength of the bond between substrate and coating, or between different coating layers or the cohesive strength of some substrates. Routine testing is also used as part of inspection and maintenance procedures to help detect potential coating failures.

Elcometer offer a highly comprehensive range of Adhesion Gauges designed specifically to meet your requirements. These gauges can be split into three categories:

Cross Hatch / Cross Cut Method

The coating is cut into small squares, thereby reducing lateral bonding, and the adhesion assessed against ISO, ASTM or Corporate Standards.

Pull Off Adhesion Method

Tensile Dollies (or stubs) are glued to the coating and, once the adhesive has cured, the force required to pull the dolly off the surface is measured.

Push Off Adhesion Method

Similar to the Pull Off Adhesion Test, a dolly is glued to the coating, once the adhesive has cured, however, the dolly is pushed off the surface by the adhesion gauge.

<table>
<thead>
<tr>
<th>Description</th>
<th>Range</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>Elcometer 106/6</td>
<td>N/mm²</td>
<td>PSI</td>
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<tr>
<td>Elcometer 106 Adhesion Tester</td>
<td>(0) – 3.5</td>
<td>(0) – 500</td>
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<tr>
<td>Accessories</td>
<td></td>
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<tr>
<td>Spare Dollies (Pack of 5)</td>
<td></td>
<td>T10618570</td>
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<tr>
<td>Araldite Epoxy Adhesive</td>
<td></td>
<td>T99912906</td>
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<td>Packing List</td>
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<tr>
<td>Elcometer 106 Scale 6 Adhesion Tester, 5 x 50.8mm (2”) Dollies, Base Support Ring, Pack of Adhesive, Ratchet Spanner, Carrying Case &amp; Operating Instructions</td>
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Related products

Elcometer 106/6 Coatings on Concrete Adhesion Tester

The most popular in the Elcometer PAT tester range, a manual hydraulic tensile adhesion tester for measuring the bond strength of all types of paints, thermal sprayed coatings, thin films, concrete coatings, ceramics, etc. A portable, precision gauge with both MPa and PSI readings which gives accurate and comparable test results both in the laboratory and on site.

A 20 or 40kN manual hydraulic tensile adhesion tester for testing of coatings (including thermal sprayed coatings), on test panels, sprayed components. Designed for testing with 50mm (2”) diameter test elements and with the square 50 x 50mm (2 x 2”) test element for adhesion testing of tile adhesives and other cementitious materials.

For use with the Elcometer PAT, Elcometer 106, and Elcometer 108 Adhesion Testers, this Portable Field Calibration Verification Unit is ideal for confirming your adhesion gauge calibration. Connect the appropriate pull stub to the unit, pull your adhesion tester and compare the adhesion tester reading to the reading on the Portable Calibration Unit’s Display.

The coating may be continuous and look good, but how well is it connected to the substrate? The Elcometer 107 cross hatch cutter provides an instant assessment of the quality of the bond to the substrate. Due to its rugged construction this gauge is ideal for thin, thick or tough coatings on flat or curved surfaces. An ideal field or laboratory test.