

# Elcometer 106/6 Coatings on Concrete Adhesion Tester



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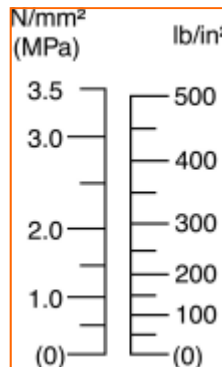
The Elcometer 106/6 adhesion tester has been specifically designed to measure coatings on concrete.

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!

### 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	

	Description	Range		Part Number
		N/mm <sup>2</sup> (MPa)	PSI	
Elcometer 106/6	Elcometer 106 Adhesion Tester – Scale 6	(0) – 3.5	(0) – 500	F106----6
<b>Accessories</b>	Spare Dollies (Pack of 5)			T10618570
	Araldite Epoxy Adhesive			T99912906
<b>Packing List</b>	Elcometer 106 Scale 6 Adhesion Tester, 5 x 50.8mm (2") Dollies, Base Support Ring, Pack of Adhesive, Ratchet Spanner, Carrying Case & Operating Instructions			

### 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.

## Related products



Elcometer 1940

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.



Elcometer 1941

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.



Elcometer 1920

This automatic adhesion tester is designed for measuring the bond strength of all types of paints, thermal sprayed coatings, thin films, concrete coatings and much, much more, on any shaped substrate. A dolly is adhered to the surface and once the test head is connected, a tensile force is applied. The rate of application can be adjusted by the User.



Elcometer 1970

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.



Elcometer 107

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.

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