

Elcometer 138/2 Surface Contamination Kit



Elcometer 138/2 Surface Contamination Kit

At a glance:

Low cost and portable
 Quick and easy method of measuring surface contaminants
 Supplied with test strips to measure:

- pH;
- Iron (ferrous ion);
- Chloride;
- Salt

Can be used in accordance with:
ISO 8502-6

Measuring the level of contaminants on a surface prior to application of the coating is essential to ensure the quality of the coating and that its optimum lifetime is achieved.

If the coating is applied to a contaminated surface, which is not properly prepared, it could fail prematurely resulting in costly re-coating and high maintenance costs.

By using the Elcometer 135A Bresle Sampler and various test strips supplied, the Elcometer 138/2 Surface Contamination Kit provides a low cost, simple method of measuring the salt, pH, chloride and iron (ferrous ion) concentration on a test surface in accordance with ISO 8502-6.

- **Portable:**
Supplied in a convenient lightweight, plastic carry case
- **Low cost:**
Low cost and simple method of measuring surface contaminants
- **Consumable Items:**
All items can be re-ordered and replenished as and when required

Surface Cleanliness

Surface contamination from salts such as chlorides, sulphates and nitrates have been shown to lead to blistering of organic coatings, particularly in immersion conditions.

Measuring the surface cleanliness of the substrate alone prior to a coating being applied may not be sufficient. If more than one layer of coating is being used, it is necessary to monitor and record the cleanliness of each layer prior to applying the next coating. When using amine cured epoxy coatings, for example, in low ambient temperatures or in high humidity, a surface oiliness or exudate may cause inter-coating adhesion failure.

TECHNICAL SPECIFICATION	
Bresle Sampler Size	5.2 cm x 5.2 cm (2.0" x 2.0")
Bresle Test Area	12.5 cm ² (1.93 sq. inches)
Bresle Sample Volume	1.5 ml to 2.0 ml
Measuring Range of Test Strips	pH: 0 pH to 14 pH Iron: 3 - 10 - 25 - 50 - 100 - 250 - 500 mg/l Fe ²⁺ Chloride: 30 ppm Cl to 600 ppm Cl
Packing List	pH Test Strips (x100), Iron Test Strips (x100), Chloride Test Strips (x40), Bresle Samplers (x50), 5ml Syringe (x3), Needles (x3), Plastic Beaker (30ml) and Operating Instructions
Part Number	E138---- 2 Elcometer 138/2 Surface Contamination Kit

Spares / Accessories

Part Number	Description
T13820562	pH Test Strips, Pack of 100
T13820563	Iron Test Strips, Pack of 100
T13820564	Chloride Test Strips, Pack of 40
E135----A	Elcometer 135A Bresle Sampler, Pack of 50
T13818515	Elcometer 138 Horiba B-173 Conductivity Meter
T13818517	5ml Syringe (without needle), Pack of 3
T13818518	Needles, Pack of 3
T13818519	Plastic Beaker, 30ml
T99911344	Deionised Water, 250ml

Related Products



Elcometer 138 Bresle Salt Kit

Elcometer 138 Bresle Salt Kit:

Supplied with Elcometer 135B Bresle Patches and the Elcometer 138 Conductivity Meter, this kit provides all the equipment required to measure the level of salt contamination on a surface, prior to coating.



Elcometer 138 Conductivity Meter

Elcometer 138 Conductivity Meter:

Incorporating a flat sensor, the Elcometer 138 Conductivity Meter can measure the conductivity of a solution from a single drop of a sample and includes a convenient salinity conversion indicator and calibration check solutions.

ENGLAND

Elcometer Ltd
Edge Lane
Manchester M43 6BU

Tel: +44 (0)161 371 6000
Fax: +44 (0)161 371 6010
e-mail: sales@elcometer.com
www.elcometer.com

USA

Elcometer Inc
1893 Rochester Industrial Drive
Rochester Hills Michigan 48309

Tel: +1 248 650 0500
Toll Free: 800 521 0635
Fax: +1 248 650 0501
e-mail: inc@elcometer.com
www.elcometer.com

CANADA

Elcometer Ltd
PO Box 622, 401 Ouelette Avenue
Windsor, Ontario N9A 6N4

Tel: +1 248 650 0500
Toll Free: 800 521 0635
Fax: +1 248 650 0501
e-mail: ca_info@elcometer.com
www.elcometer.com

ASIA & THE FAR EAST

Elcometer (Asia) Pte Ltd
896 Dunearn Rd
Sime Darby Centre #3-09
Singapore 589472,
Republic of Singapore

Tel: +65 6462 2822
Fax: +65 6462 2860
e-mail: asia@elcometer.com
www.elcometer.com

BELGIUM

Elcometer SA
Rue Vallée 13
B-4681 Hermalle /s Argenteau

Tel: +32 (0)4 379 96 10
Fax: +32 (0)4 374 06 03
e-mail: be_info@elcometer.be
www.elcometer.be

FRANCE

Elcometer Sarl
97 Route de Chécy
45430 BOU

Tel: +33 (0)2 38 86 33 44
Fax: +33 (0)2 38 91 37 66
e-mail: fr_info@elcometer.fr
www.elcometer.fr

GERMANY

Elcometer Instruments GmbH
Himmlingstraße 18
D-73434 Aalen

Tel: +49 (0)7366 91 92 83
Fax: +49 (0)7366 91 92 86
e-mail: de_info@elcometer.de
www.elcometer.de