

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.

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