

# Elcometer 138 Bresle Kit & Patches



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**At a glance**

- Perhaps the most recognised test for measuring surface salts in the coatings industry.
- Complete kit to meet on site test requirements & supplied with a pocket sized conductivity meter.

**Elcometer 138 Bresle Kit & Patches**

It is essential that the level of contaminants on a surface is measured prior to application 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.

Each kit is supplied in a plastic carrying case complete with:

Horiba B-173 Conductivity Meter and Calibration Solutions, 25 Test Patches, 1 x 250ml Pure Water, 3 x 5ml Syringes and Needles, 30ml Measurement Beaker, 1 x 50ml bottle of Acetone and 2 x Sponges to wipe excess liquid.

Separate boxes of test patches are also available.

Can be used in accordance with the USN guidelines.

**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.

It is not sufficient to measure the cleanliness of the substrate. In a multi-layer coating process, 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.

Can be used in accordance with:	
ISO 8502-6	ISO 8502-9

Model	Description	Part Number
Elcometer 138	Elcometer 138 Bresle Conductivity Kit	E138---1
<b>Accessories</b>	1 box of 25 Bresle Patches	E135---B
	1 x 250ml Pure Water	T13011344
	3 x 5ml Syringe (without needles)	T13818517
	3 x Needles	T13818518
	1 x 30ml Beaker	T13818519
	1 x 50ml Acetone	T13818520
	2 x Sponges	T13818521
	Replacement Horiba B- 173 Conductivity Meter	T13818515
	Conductivity Calibration Solutions for Horiba B- 173	T13818516

## Related products



Elcometer 139

The first site test for determining the presence of Amines on the surface of a coating. If present it can lead to inter-coat adhesion failure. This simple test takes seconds to undertake and gives instant results.



Elcometer 134A

Chlorides deposited on a surface by contaminated abrasive during blasting can cause a coating to fail prematurely. Contamination can build up, particularly if the blast media is recycled several times. The Elcometer 134A is an easy to use, accurate field test which determines if your abrasive is contaminated with chlorides and thus prevent costly surface-related failures.



Elcometer 134S

Chloride salts left on the surface before the first coat is applied can result in the coating system being forced off the surface by corrosion or blistering before the full life of the coating has been reached. Salts are extracted using a rubber tube and the level of chloride on the surface is identified using a simple glass tube which identifies the concentration level.



Elcometer 134W

Coatings can fail due to chlorides being deposited on a surface by contaminated water during pressure washing, UHP water jetting or wet abrasive blasting. The Elcometer 134W is an easy to use, accurate, field based test which determines if your wash water is contaminated with chlorides and thus prevent costly surface coating failures.



Elcometer 130

This very easy to use salt contamination meter measures the level of salts on the surface. Soluble salts on a surface are absorbed into a special filter paper soaked with distilled water. The Elcometer 130 measures the conductivity of the wet paper, calculates the salt level and displays it in  $\mu\text{g}/\text{cm}^2$ .

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