

# elcometer® 138 Bresle Kit & 135 Bresle Patches

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



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.

## Features

- 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.

## Shipping List

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
- 2 x Sponges to wipe excess liquid.

## Part Numbers

Model	Description	Part Number
Elcometer 138	Elcometer 138 Bresle Conductivity Kit	E138----1
<b>Accessories</b>	1 box of 25 Bresle Patches (Elcometer 135)	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

## Test Method

The surface density of soluble salts can be tested by using the Elcometer 135B Bresle Patch together with a conductivity meter, test strips which change colour or titration tubes. Outlined below is the procedure for testing the surface with the Elcometer 135B and a conductivity meter.

Please note that this is intended as a guide only. The relevant ISO standard should be referred to for precise instructions.

1. Remove the protective paper and the square in the centre of the patch.
2. Attach the Elcometer 135B Bresle Patch to a dry and clean test surface.
3. Measure a given amount of distilled water into a measuring tube or beaker, clean the syringe using this water.
4. Using a conductivity meter, measure the electrical conductivity of the distilled water in the measuring tube.
5. Using the water in the measuring tube or beaker, inject a given amount into the Bresle Patch which is adhered to the test surface.
6. Pump the water back and forth between the syringe and the patch, to dissolve the soluble salts on the test surface.
7. Remove all the distilled water from the patch using the syringe and return it to the measuring tube or beaker.
8. Re-measure the electrical conductivity of the water