Elcometer 134 CSN Test Kit – Chlorides, Sulphates & Nitrates

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At a glance

- *A complete on site test kit which can be used to accurately measure surface chloride, sulphate and nitrate ions from only one test sample.*
- *Results are in ppm & ugcm^{-2} - no complicated calculations needed.*

Can be used in accordance with:	
ISO 8502-5	ISO 8502-11:2006
SSPC Guide 15	

Elcometer 134 CSN Test Kit – Chlorides, Sulphates & Nitrates
Designed to accurately measure surface chloride, sulphate and nitrate ions in minutes, the Elcometer 134 'CSN Salts' offers the User the ability of trouble-free testing in the field.

- All the components of the Elcometer CSN Test Kit are pre-measured and pre-dosed for complete accuracy.
- All results are recorded in parts per million (ppm) - no complicated calculations needed to transfer these to µgcm^{-2} as the tests of the Elcometer 134 CSN are designed to be on a ratio of 1:1

Supplied in an ABS plastic carry case for easy portability around the site, each field kit is supplied with full instructions attached to the inside lid, together with:

- 5 x Chloride Tests
- 5 x Tests, together with 1 x Colorimeter, for Sulphate Testing
- 5 x Nitrate Test Strips
- 5 x Syringes (without needles)

All Elcometer 134CSN consumables can be replenished.

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.

Model	Description	Part Number
Elcometer 134	CSN Elcometer 134 Chloride, Sulphate, Nitrate Test Kit – 5 tests	E134-CSN
Accessories	1 set of 5 Nitrate Tests	T134---C
	Complete Refill Kit – fully refill your test kit with 5 tests for each ion	T134-KIT

Related products

UK Based Supplier

Dyne Testing
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Staffordshire
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Fax: +44 (0)1543 415140
Email: sales@dynetesting.co.uk
Web: www.dynetesting.co.uk

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 ug/cm^2.

Elcometer 138

Well known in the protective coatings field, the Bresle Patch is one of the most popular tests for soluable salts. A patch is adhered to the substrate and the soluable salts are dissolved into distilled water using a rinsing motion caused by a syringe. A conductivity meter is then used to calculate the slat level.

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.