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Commercial Information

SURFACE PREPARATION INNOVATION

Version Date: March 2011

Title: Elcometer surface cleanliness test kits

ELCOMETER 134 CHLOR TEST KITS

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 in blistering before the full life of the coating has been reached. To ensure that the chloride has been removed it is essential that the surface is tested before the coating is applied.



Elcometer offers three kits:

- Elcometer 134A Chloride Ion Test Kit for Abrasives
- Elcometer 134W Chloride Ion Test Kit for Water/Liquids
- Elcometer 134S Salt Detection Kit for Blast Cleaned Surfaces

Features

- Simple low cost for field testing of chloride ion on surfaces
- No needles or conductivity meter required
- Do not contain mercury



Technical information

Specification	Elcometer 134A	Elcometer 134S	Elcometer 134W
Measuring range	1-50ppm ($\mu\text{g}/\text{cm}^2$)	1-60ppm ($\mu\text{g}/\text{cm}^2$)	10-2000ppm ($\mu\text{g}/\text{cm}^2$)
Scale resolution	1ppm		
Sampling time	1.5 minutes		
Test per box	4	5	5
Colour change	Pink to white		
Part numbers	E134-2	E134-1	E134-3

Note: Can be used in accordance with: ISO 8502-6, IO DIS 8502-9

ELCOMETER 138 BRESLE KIT & 135 BRESLE PATCHES

The Elcometer 138 Bresle Kit includes the Elcometer 138 Conductivity Meter. This lightweight, portable conductivity meter accurately measures the salinity of the test samples.



The cartridge type sensor can be easily replaced when necessary and displays conductivity ($\mu\text{S}/\text{cm}$ and mS/cm) and salinity (%) on the digital display. Features of the meter include indication of stability of reading indication. The kit also includes Elcometer 135B Bresle Patches, which are used to determine surface chloride contamination and are self-adhesive rubber film patches with a sealed compartment for sampling soluble impurities from steel surfaces with a suitable solvent.

SURFACE PREPARATION INNOVATION

Portable/Stationary Abrasive Blast Equipment - Nozzles - Nozzle Holders - Hoses - Couplings - Lighting
 Wetblast Equipment - High Pressure Waterjetting - Personal Protection - Blast Cabinets - Dehumidifiers
 Blastrooms Vacuum Blast/Recovery Equipment - Portable/Stationary Wheelblast Equipment
 Pipe Cleaning/Coating - Air Treatment - Mobile Dust Collectors - Media - Paintspray Equipment
 Plural Component - Measuring Instruments

Technical information

Specification	Conductivity Meter
Measurement method:	AC Bipolar
Measurement mode:	Conductivity/ Sodium Chloride (NaCl) salinity conversion
Range - conductivity:	0 mS/cm to 19.9 mS/cm
Repeatability:	± 1%
Memory capacity:	200 Readings
Display:	Liquid Crystal Display (LCD) 2½
Measurement temperature:	5°C to 35°C (41°F to 95°F)

Specification	Bresle Patch
Patch Size:	5.2 cm x 5.2 cm
Test Area:	12.5cm ²
Sample Volume:	1.5ml to 2.0 ml

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

ELCOMETER 142 DUST TAPE TEST KIT

This test kit allows assessment of the quantity and size of dust particles on surfaces prepared for painting. Dust on blast cleaned surfaces can reduce coating adhesion, leading to premature coating failure and sub-standard coating finish.

Features

- Low cost and portable
- Illuminated magnifier makes inspection & comparison easy
- Dust assessment plate ensures dust on the tape is only from the surface and not the surrounding environment
- Dust comparator display board assesses the quantity of dust on the tape in order to make a pass/fail cleanliness judgement
- Test record sheets to keep a permanent record of sample findings



Note: Can be used in accordance with: BS EN ISO 8502-3

Technical information

Specification	
Microscope	Battery powered portable 10x magnifier with scaled lens and integrated light source
Adhesive tape	To specification BS EN ISO 8592-3
Comparator Display board	In black & white case
Dust size classes	Chart with dust classes ranging from 0 - 5 with descriptions for accurate class placement

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