

# Elcometer 128 Pictorial Surface Standards



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Elcometer's range of Surface Standards, covers most of those required for surface cleanliness.

They include:

- BS EN ISO 8501-1:2007 / SIS 055900
- BS EN ISO 8501-4:2006
- The SSPC Standard - VIS 1-01
- The SSPC Standard - VIS-2
- The SSPC Standard - VIS-3
- The SSPC Standard - VIS-4
- The SSPC Standard - VIS-5

## 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.

### At a glance

- *Pictorial surface standards used around the world as guidelines for almost all surface cleanliness standards.*

Can be used in accordance with:	
ASTM D 2200	BS EN ISO 8501-1:2007
BS EN ISO 8501-4:2006	IMO MSC.215(82)
SIS 055900	SSPC VIS 1-01
SSPC VIS 2	SSPC VIS 3
SSPC VIS 4	SSPC VIS 5
US Navy NSI 009-32	

Model	Description	Part Number
Elcometer 128/1	BS EN ISO 8501-1:2007 / SIS 055900 - The original visual standard. It shows the degree of cleanliness of four different levels of rusted steel cleaned by blasting, hand and power tools and flame. Specified by ASTM 2200 Method A.	E128----1
Elcometer 128/3	SSPC (Steel Structures Painting Council) VIS 1-01 - Similar to the Swedish and British standards, but the pictures of the required final appearances match the written descriptions in the USA standards. VIS 1-89 includes photographs of surfaces cleaned using metallic and non-metallic abrasives. Specified by ASTM 2200 Method B.	E128----3
Elcometer 128/5	SSPC VIS-3 - Contains 44 photographs to supplement the written SSPC specifications for hand and power-tool cleaning.	E128----5
Elcometer 128/6	SSPC VIS-2: Standard Method of Evaluating Degree of Rusting on Painted Steel Surfaces	E128----6
Elcometer 128/7	SSPC VIS-4: Guide and Reference Photographs for Steel Surfaces Prepared by Water jetting	E128----7
Elcometer 128/8	SSPC VIS-5: Guide and Reference Photographs for Steel Surfaces Prepared by Wet Abrasive Blast Cleaning	E128----8
Elcometer 128/9	BS EN ISO 8501-4:2006 Preparation of steel substrates before application of paints and related products. Visual assessment of surface cleanliness. Initial surface conditions, preparation grades and flash rust grades in connection with high-pressure water jetting	E128----9

## Related products



*Elcometer Fitz's Atlas*

Incorporating all the key features and benefits of the Visual Comparison Manual, this manual takes the reader through a more comprehensive range of problems and discusses each in detail - providing a greater understanding of the defect, the probable cause and the possible solutions. You can quickly gain an insight into the coatings industry and the pitfalls to watch out for.



*Elcometer Macaws Pipeline Defects*

The aim of this publication is to illustrate the range of defects that may be encountered in high pressure steel pipelines and pipeline coatings. The manual gives advice on the probable cause and significance of the defects and comments on appropriate remedial actions.

### ENGLAND

Elcometer Ltd  
Edge Lane  
Manchester M43 6BU

Tel: +44 (0)161 371 6000  
Fax: +44 (0)161 371 6010  
e-mail: [sales@elcometer.com](mailto:sales@elcometer.com)  
[www.elcometer.com](http://www.elcometer.com)

### USA

Elcometer Inc  
1893 Rochester Industrial Drive  
Rochester Hills Michigan 48309

Tel: +1 248 650 0500  
Toll Free: 800 521 0635  
Fax: +1 248 650 0501  
e-mail: [inc@elcometer.com](mailto:inc@elcometer.com)  
[www.elcometer.com](http://www.elcometer.com)

### CANADA

Elcometer Ltd  
PO Box 622, 401 Ouelette Avenue  
Windsor, Ontario N9A 6N4

Tel: +1 248 650 0500  
Toll Free: 800 521 0635  
Fax: +1 248 650 0501  
e-mail: [ca\\_info@elcometer.com](mailto:ca_info@elcometer.com)  
[www.elcometer.com](http://www.elcometer.com)

### ASIA & THE FAR EAST

Elcometer (Asia) Pte Ltd  
896 Dunearn Rd  
Sime Darby Centre #3-09  
Singapore 589472,  
Republic of Singapore

Tel: +65 6462 2822  
Fax: +65 6462 2860  
e-mail: [asia@elcometer.com](mailto:asia@elcometer.com)  
[www.elcometer.com](http://www.elcometer.com)

### BELGIUM

Elcometer SA  
Rue Vallée 13  
B-4681 Hermalle /s Argenteau

Tel: +32 (0)4 379 96 10  
Fax: +32 (0)4 374 06 03  
e-mail: [be\\_info@elcometer.be](mailto:be_info@elcometer.be)  
[www.elcometer.be](http://www.elcometer.be)

### FRANCE

Elcometer Sarl  
97 Route de Chécý  
45430 BOU

Tel: +33 (0)2 38 86 33 44  
Fax: +33 (0)2 38 91 37 66  
e-mail: [fr\\_info@elcometer.fr](mailto:fr_info@elcometer.fr)  
[www.elcometer.fr](http://www.elcometer.fr)

### GERMANY

Elcometer Instruments GmbH  
Ulmer Strasse 68  
D-73431 Aalen

Tel: +49 (0)7361 52806 0  
Fax: +49 (0)7361 52806 77  
e-mail: [de\\_info@elcometer.de](mailto:de_info@elcometer.de)  
[www.elcometer.de](http://www.elcometer.de)