

# Elcometer 142 ISO 8502-3 Dust Tape Test Kit



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**At a glance:**

Assess the cleanliness of surface prepared for coating

Use as a pass/fail indicator or as a permanent record

Comparator enables easy assessment of dust particle size

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| <b>Can be used in accordance with:</b> |
| BS EN ISO 8502-3                       |

The Elcometer 142 ISO 8502-3 Dust Tape 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.

The kit can be used in accordance with the recommendations of BS EN ISO 8502-3 either as a pass/fail test or as a permanent record of the presence of dust.

- **Low cost and portable:**  
Supplied in a carry case for use in the field to assess surface cleanliness.
- **Illuminated magnifier:**  
The illuminated magnifier with reticule makes inspection & comparison easy.
- **Dust assessment plate:**  
To ensure dust on the tape is only from the surface and not the surrounding environment.
- **Dust comparator display board:**  
To assess 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.

**Surface Cleanliness**

Surface contamination from salts such as chlorides, sulphates and nitrates as well as dust particles have been shown to lead to coating failure and sub-standard coating finish.

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.

This will prevent inter-coating failures due to presence of surface salts and poor coating appearance due to unacceptable levels of dust.

Elcometer offer the most comprehensive range of surface cleanliness products to measure the cleanliness of surfaces prior to coating to ensure the overall appearance and performance of a material coating are up to standard.

|                                 |  |
|---------------------------------|--|
| <b>Microscope</b>               | Battery powered portable 10x magnifier with scaled lens and integrated light source  |
| <b>Adhesive tape</b>            | To specification BS EN ISO 8502-3  |
| <b>Comparator display board</b> | In black and white   |
| <b>Dust size classes</b>        | Chart with dust classes ranging from 0 - 5 with descriptions for accurate class placement  |
| <b>Packing list</b>             | Microscope with 10x magnifier with 2 batteries (LR14) and reticule, adhesive tape to specification ISO 8502-3, Comparator display board, operating instructions, dust assessment plate, test record sheet x 25 |
| <b>Order number</b>             | <b>E142----1</b>   |

| <b>Accessories</b>        |                     |
|---------------------------|---------------------|
| Test Record Sheet         | <b>T14219451</b>    |
| Display Board             | <b>T14219454</b>    |
| Adhesive Tape 1 Roll Pack | <b>K0001539M002</b> |
| Adhesive Tape 2 Roll Pack | <b>T9999358-</b>    |
| Dust Assessment Plate     | <b>T14219525</b>    |

## Related Products



Elcometer 134 CSN

Elcometer have a wide range of products to establish surface cleanliness. Surface contamination from salts such as chlorides, sulphates and nitrates have been shown to lead to blistering, delamination and premature failure of coatings.

**Elcometer 134CSN** is designed to accurately measure surface chloride, sulphates and nitrate ions in minutes.



Elcometer 138 Bresle Kit & Patches

**Elcometer 138** Bresle Kit & Patches is one of the most popular tests for soluble salts. Elcometer 139 is the first site test for determining the presence of amines on the surface of a coating.

**Elcometer 130** is a very easy-to-use salt contamination meter measuring the level of salts on the surface.



**Elcometer 134W** is an accurate field based test which determines if the wash water is contaminated with chlorides.

**Elcometer 134A** is an accurate field test which determines if the abrasive is contaminated with chlorides.

**Elcometer 134S** is used to accurately detect chloride salts left on a surface before the first coat is applied.

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