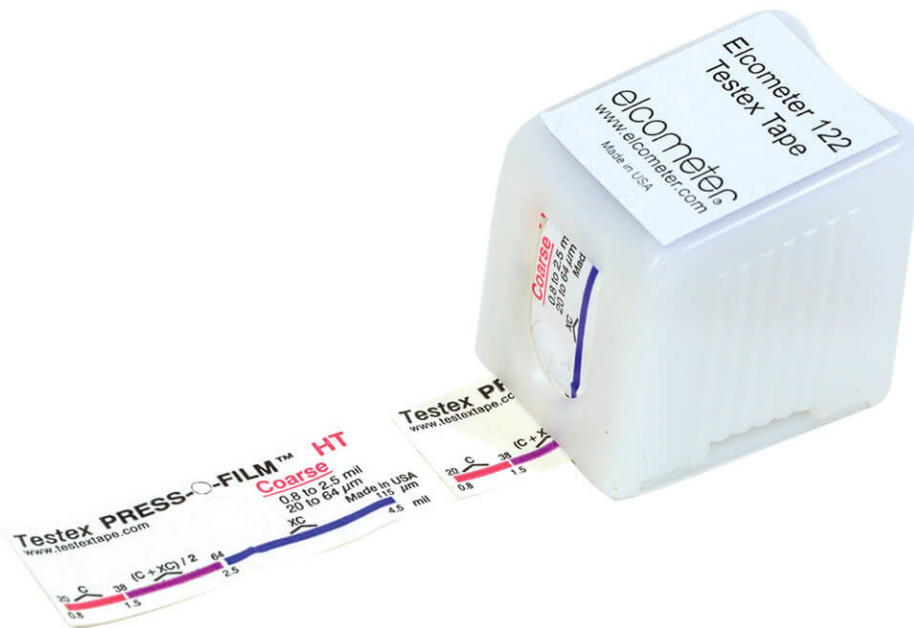


# Elcometer 122 Testex Replica Tape

Can be used in accordance with:  
**ASTM D 4417-C, BS 7079-C5\*, ISO 8503-5, NACE RP0287,  
 SSPC PA 17 US Navy NSI 009-32US Navy PPI 63101-000**



The proper and effective preparation of a surface prior to coating is essential. Making sure that the correct roughness – or profile – has been generated is essential. If the profile is too low, the adhesion of the coating to the surface will be reduced. Too high and there is the danger that the profile peaks will remain uncoated – allowing rust spots to occur.

The Elcometer 122 Testex® Replica Tape is designed to provide a permanent mould of the surface profile, which can then be measured using a thickness gauge.

Elcometer 122 Testex® Tape consists of foam with a non-compressible backing. The foam side is rubbed into the surface providing a permanent mould of the peak-to-valley profile. The profile of the surface can then be measured using the Elcometer 124 Thickness Gauge.

Elcometer 122 Testex® Replica Tape is available in four profile ranges. It is important that the tape grade chosen is reflective of the profile being measured.

- For surface profiles between 12 & 25µm: Coarse Minus Tape
- For surface profiles between 20 & 38µm: Coarse Tape
- For surface profiles between 38 & 64µm: Average of Coarse and X-Coarse Tape
- For surface profiles between 64 & 115µm: X-Coarse Tape
- For surface profiles greater than 115µm: X-Coarse Plus Tape

There are 50 tests in each Replica Tape roll.

## Technical Specifications

Description	Profile Range	Part Number			
		1 Roll	Pack of 10	Pack of 50	Pack of 100
Elcometer 122 Coarse Minus	12 - 25µm	E122----A1	E122----A10	E122----A50	E122----A100
Elcometer 122 Coarse	20 - 64µm	E122----B1	E122----B10	E122----B50	E122----B100
Elcometer 122 X-Coarse	38 - 115µm	E122----C1	E122----C10	E122----C50	E122----C100
Elcometer 122 X-Coarse Plus	115 - 127µm	E122----F1	E122----F10	E122----F50	E122----F100

\* Standards not in bold have been superseded but are still recognised in some industries.

## Accuracy Statement

Profile microns	Error (Coarse) microns	Error (X-Coarse) microns
25	8	not applicable
50	not applicable	18
75	not applicable	27
100	not applicable	37

## Packing List

Elcometer 122 Elcometer 122 Testex® Replica Tape

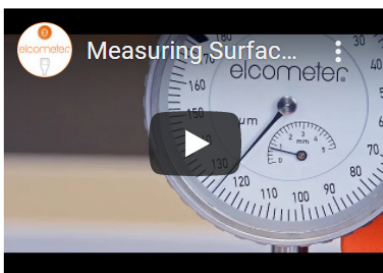
## Accessories

T12222498 Swizzle Sticks (Pack of 5)

**How to take a reading using the Testex® Replica Tape**

1. Tear off one section of the tape from the roll, peel off the backing tape and retain the back if required for future use.
2. Stick the tape on to the test surface, and rub the central portion using the swizzle stick provided, or the end of a pen, pencil or similar rounded object until dark spots appear. This gives a surface replica.
3. Using a micrometer such as the Elcometer 124 Foil Thickness Gauge, measure the thickness of the central portion of the tape replica and subtract 50µm (2mils) from the reading. This result is the peak-to-valley profile height. Write the value on the tape.
4. If the value falls within the purple band on the coarse tape (38-64µm) then repeat the test as shown in step 2 using the extra coarse tape and then average the two values.
5. If the tape is required for future reference, replace the backing tape to preserve the imprinted profile.

## Video



**YouTube Video - Measuring surface profile using the Elcometer 122 Replica Tape & Elcometer 124 Thickness Gauge**  
(Click on the image to the left to view the video)

The Elcometer 122 Replica Tape, when used in conjunction with the Elcometer 124 Thickness Gauge, provides an ideal method for measuring surface profile in compliance with International Standards. With four variants of the replica tape available, the Elcometer 122 is ideal for inspecting different surface profiles of flat, curved or hard to reach areas.