

# **Elcometer 3508 • 3560**

## **4 Gap Film Applicator**

### **Operating Instructions**

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## CONTENTS

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<b>Section</b>	<b>Page</b>
<b>1 About this instrument</b> .....	<b>2</b>
<b>2 Application procedure</b> .....	<b>3</b>
<b>3 After application</b> .....	<b>4</b>
<b>4 Storage</b> .....	<b>5</b>
<b>5 Maintenance</b> .....	<b>5</b>
<b>6 Technical specification</b> .....	<b>6</b>
<b>7 Related Elcometer equipment</b> .....	<b>6</b>

Thank you for your purchase of this Elcometer Film Applicator. Welcome to Elcometer.

Elcometer are world leaders in the design, manufacture and supply of inspection equipment for coatings and concrete. Our products cover all aspects of coating inspection, from development through application to post application inspection.

This Elcometer Film Applicator is a world beating product. With the purchase of this product you now have access to the worldwide service and support network of Elcometer. For more information visit our website at [www.elcometer.com](http://www.elcometer.com)

## **1 ABOUT THIS INSTRUMENT**

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The Elcometer 4 Gap Film Applicator is a simple but effective instrument for applying a uniform and reproducible film of product to a flat and relatively firm substrate.

The applicator is placed on the substrate with the required gap in contact with the substrate. The product is poured into the reservoir of the applicator and the applicator is then pulled by hand across the substrate to produce the film. Your applicator can also be pushed by a motorised film applicator.

The Elcometer 3508 produces two strips of film - ideal for preparing samples for the Elcometer 1720 Abrasion and Washability Tester.

### **1.1 STANDARDS**

Depending upon model, Elcometer film applicators can be used in accordance with the following National and International Standards:

ASTM D 3022

ASTM D 823

FTMS 141aM2161

FTMS 141a2162

## 1.2 WHAT THE BOX CONTAINS

- Elcometer Film Applicator
- Storage case
- Operating instructions

Your Elcometer Film Applicator is packed in a cardboard and foam package. Please ensure that all packaging material is disposed of in an environmentally sensitive manner. Consult your local Environmental Authority for further guidance.

**To maximise the benefits of your new Elcometer Film Applicator please take some time to read these Operating Instructions. Do not hesitate to contact Elcometer or your Elcometer supplier if you have any questions.**

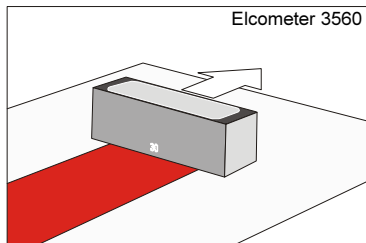
## 2 APPLICATION PROCEDURE

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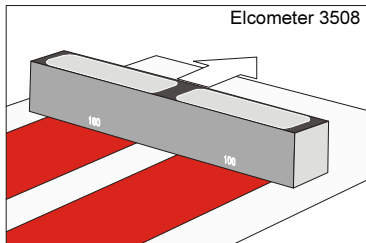


Take care while you are handling and using your Elcometer Film Applicator. Damage to the working surfaces will affect the film thickness and the instrument may have to be replaced.

1. Before each use, check the working surfaces for irregularities and damage.
2. Fix a clean substrate on a flat and horizontal base such as a vacuum table.



- Place the applicator down at one end of the substrate. The applicator should be positioned with the required gap in contact with the substrate and facing away from the direction of travel.
- Pour a quantity of product into the reservoir of the applicator ensuring that the product is evenly distributed over the whole width of the reservoir.
- Spread the film by moving the applicator towards the opposite end of the substrate at a constant speed.
- Lift the applicator from the substrate taking care to catch any product dripping from the applicator before it lands on the newly prepared film.



### 3 AFTER APPLICATION

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Clean your film applicator.

**X** Do not use very aggressive solvents or wire brushes, metal scrapers, metal files or other metallic tools for cleaning.

**✓** Clean the applicator using a suitable solvent.

After cleaning, ensure that all materials are removed and that the instrument is dry. Use the case provided to store the instrument when it is not being used.

## **4 STORAGE**

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When the applicator is not being used it must be protected from rust.

Rust can appear when the instrument is only used occasionally and when it has been handled by users with sweaty hands.

To protect against rust, always dry the applicator after use and apply a thin layer of oil to the surface before storage. Elcometer recommends the use of an oil which does not harden during drying such as Castrol Rustilo DW 378.

Always store the applicator in the case provided.

## **5 MAINTENANCE**

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The Elcometer Film Applicator is designed to give many years reliable service under normal operating and storage conditions.

Regular calibration checks over the life of the thickness gauges are a requirement of quality management procedures e.g. ISO 9000 and other standards. For checks and certification contact Elcometer or your local supplier.

## 6 TECHNICAL SPECIFICATION

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All models are manufactured in hardened stainless steel

Model		Film Gaps		Film Width		Part number	
		( $\mu\text{m}$ )	(mils)	(mm)	(inches)	Metric	Imperial
3560	3560/1	30, 60, 90, 120	-	60	-	K0003560M201	-
	3560/1	-	1, 2, 3, 4	-	2	-	K0US3560M201
	3560/2	50, 100, 150, 200	-	60	-	K0003560M202	-
	3560/2	-	2, 4, 6, 8	-	2	-	K0US3560M202
3508	3508	50, 100, 150, 200	-	2 x 50	-	K0003508M001	-
	3508	-	2, 4, 6, 8	-	2 x 2	-	K0US3508M001

## 7 RELATED ELCOMETER EQUIPMENT

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Elcometer produces a wide range of coatings inspection gauges and related equipment.

Users of this Elcometer Film Applicator may also benefit from the following Elcometer products:

- Elcometer Fineness of Grind Gauges
- Elcometer Viscosity Meters
- Elcometer Motorised Film Applicators
- Elcometer Drying Time Recorders and Leneta Test Charts
- Elcometer Washability, Brushability and Abrasion Testers

For further information contact Elcometer, your local supplier or visit [www.elcometer.com](http://www.elcometer.com)