

# Elcometer 112 & 3236 Hexagonal Wet Film Combs



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**At a glance**

- Precision wet film combs used to determine the thickness of wet paint prior to curing.
- Hexagonal to provide a wider range of thickness values for greater accuracy.

**Elcometer 112 & 3236 Hexagonal Wet Film Combs**

Precision formed in stainless steel to be long-lasting and reusable, these hexagonal wet film combs are supplied in a range of thicknesses and can measure up to a maximum thickness of 3000µm (120mils). This high upper value allows measurement of thick coatings which are difficult to test by other methods.

*How to use a wet film comb*

- Place a comb perpendicular to and touching the substrate. Hold the comb in position and wait a few seconds until the teeth are "wet."
- Remove the comb from the film.
- The wet film thickness lies between the biggest value "coated" or "wet" tooth and the smallest value "uncoated" or "dry" tooth value.

**Wet Film Thickness**

It is important that a coating is applied to the correct thickness. Applying too much wet coating will not only waste and money, but also there is also a possibility of the coating cracking during the curing process. Too little coating and there is a chance that the substrate will not be sufficiently covered.

To control process variables, it is often desirable to measure whilst the film is still wet. Wet film measurements are also useful for systems where the dry film thickness can only be measured destructively.

| Can be used in accordance with: |               |
|---------------------------------|---------------|
| ASTM D 4414-A                   | BS 3900-C5-7B |
| ISO 2808-7B                     | NF T30-125    |

| Model            | Description                            | Range        | Values  | Part Number  |
|------------------|--|--------------|---|--------------|
| Elcometer 3236/1 | Elcometer 3236 Hexagonal Wet Film Comb | 20 - 370µm   | 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 150, 170, 190, 210, 230, 250, 270, 290, 310, 330, 350, 370µm  | K0003236M001 |
| Elcometer 3236/2 | Elcometer 3236 Hexagonal Wet Film Comb | 25 - 2000µm  | 25, 50, 75, 100, 125, 150, 175, 200, 225, 250, 275, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 950, 1000, 1100, 1200, 1300, 1400, 1500, 1600, 1700, 1800, 1900, 2000µm  | K0003236M002 |
| Elcometer 112/1  | Elcometer 112 Hexagonal Wet Film Comb  | 25 - 3000µm  | 25, 50, 75, 100, 125, 150, 175, 200, 225, 250, 275, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000, 2200, 2400, 2600, 2800, 3000µm | B112----1    |
| Elcometer 112/2  | Elcometer 112 Hexagonal Wet Film Comb  | 1 - 120 mils | 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 45, 50, 55, 60, 70, 80, 90, 100, 110, 120mils  | B112----2    |

## Related products



Elcometer 3230

Formally known as the Elcometer 120, the Elcometer 3230 wet film wheel consists of three circles. The central circle is of smaller diameter and is eccentric of the two outer circles. By rolling the gauge through a wet coating, the centre disc eventually touches the film. This point on the scale indicates the thickness. Various measurement ranges from 0 to 25 $\mu$ m - 0 to 3000 $\mu$ m (0 to 1mil - 0 to 40mils) are available.



Elcometer 112AL

Being punched from Aluminium, the Elcometer 112AL is not as accurate as the high precision versions but it does provide a low cost alternative for measurement of wet film thickness.



Elcometer 115

These precision film combs, formed in stainless steel to be long-lasting and reusable, are supplied in Metric and Imperial values on the same comb. Four separate ranges of thicknesses are available up to a maximum thickness of 1270 $\mu$ m (50mils). Each comb has 10 measurements (or teeth) per comb.



Elcometer 3238

Similar to the Elcometer 115, the Elcometer 3238 provides the user with more measurement points (teeth). These rectangular wet film combs are available in 3 ranges up to a maximum thickness of 1200 $\mu$ m (50mils) – supplied either separately or in a set of 3.



Elcometer 154

Made from ABS plastic, the Elcometer 154 Wet Film Combs are designed to be used only once and kept as a record of wet film thickness measurement for your ISO or customer requirements. Both Metric and Imperial values are on the same comb, 50 to 800 $\mu$ m on one side, 2 to 32mils on the reverse.

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