

Wet Film Combs Operating Instructions

Thank you for purchasing a Wet Film Comb from Ascott. Please read these instructions carefully and retain for future reference.

Important Information

This equipment should only be used as intended by suitably qualified and trained personnel.

These instructions should be always readily available to such personnel.

Normal common-sense safety precautions must be taken at all times to avoid the possibility of accidents.

We recommend that users produce their own risk assessment for the entire testing process for which this equipment will be used.

1.0 ABOUT THIS GAUGE

This gauge is a simple but effective instrument which is used to determine the thickness of wet paints and similar coatings immediately after application.

The edge of the comb is placed onto the wet film and then removed. The thickness of the wet film is determined by examining the paint left on the teeth of the comb and the thickness scale marked on the front face of the comb.

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

These instructions describe the use of the following models:

- T01-700000 Stainless Steel 10-100 μm (@10 μm)
- T01-700001 Stainless Steel 20-200 μm (@20 μm)
- T01-700002 Stainless Steel 50-750 μm (@25 μm /@50 μm)
- T01-700003 Stainless Steel 250 -700 μm (@50 μm)
- T01-700004 Stainless Steel 50-950 μm (@50 μm)
- T01-700005 Stainless Steel 300-2,600 μm (4 sided @25 μm /100 μm)
- T01-699999 Stainless Steel 25- 3,000 μm (Hexagonal)

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Testing climate resistance **to the limit**

2.0 STANDARDS

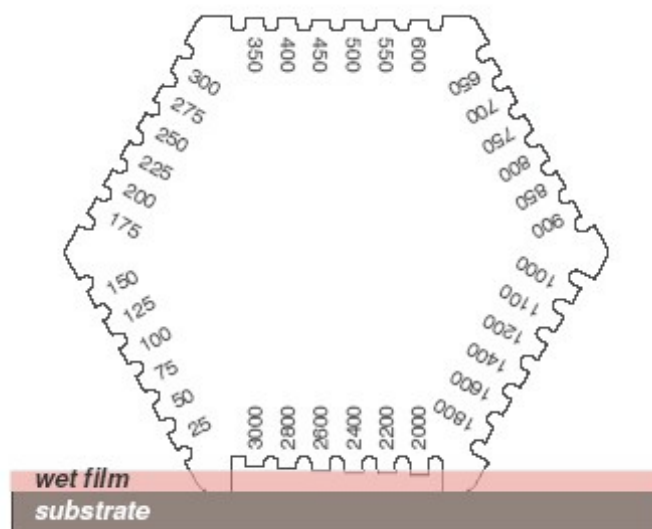
Wet Film Comb/Wheel can be used in accordance with the following Standards (depending upon model).

ASTM D 4414-A ASTM D 1212-91-A NF T30-125 BS 3900-C5-7B BS 3900-C5-1B
ISO 2808-7B ISO 2808-1B

3.0 USING A WET FILM COMB

Before you begin, ensure that your Wet Film Comb is clean and undamaged.

1. Hold the comb perpendicular to the wet film and press the edge of the comb into the film until it is stable
2. Remove the comb from the wet film
3. Examine the teeth of the comb and locate the last tooth which is fully wetted. Read the thickness value of this tooth. The wet film thickness is situated between this value and the thickness value of the next dry tooth. In the example shown, the wet film thickness lies between 2400 μm and 2600 μm
4. Calculate the dry film thickness using the wet-to-dry ratio or the % volume solids stated in the film material data sheet.



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4.0 CLEANING AFTER A TEST

Clean the gauge after a test. Do not use very aggressive solvents or wire brushes, metal scrapers, metal files or other metallic tools for cleaning.

Clean the gauge using a suitable solvent only.

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

If you have any queries regarding your new equipment, or require any additional accessories or consumables, please contact info@ascottshop.com or telephone +44 (0)1827 318040.

If you wish to contact us by post, our full mailing address is 6-8 Gerard, Tamworth, Staffordshire, B79 7UW

