

# Aircraft Specialty Products

## WET FILM THICKNESS GAUGE

*Product description:*

### WET FILM THICKNESS GAUGE

#### FEATURES:

- ▶ Consists of notches that are machined into the gauge sides
- ▶ Consists of four sides with different ranges of values
- ▶ Teeth between the gauge notches serve as references to the ends of gauge edges
- ▶ Edge ends act as a “zero” reference (2 edge ends being pushed into the coating until they make contact with the substrate)
- ▶ The notches on same sides are shorter relative to the outside notches. Each of these signifies varying distances from the outside edge teeth corresponding to zero.
- ▶ Distances represent wet coating thickness surface that needs to be measured
- ▶ Notches are marked off in MILS (0.001 inches (0.002 cm)) on one side of the gauge and microns on the other side of gauge.



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 For more information contact us :  
[zipchem@addevmaterials.com](mailto:zipchem@addevmaterials.com)

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*Product description:*

### WET FILM THICKNESS GAUGE

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#### FEATURES:

- ▶ The **Wet Film Thickness Gauge** immediately measures the thickness immediately after the coating has been applied on the material
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#### KEY BENEFITS

- ▶ Measures a liquid coating's thickness in the easiest and fastest manner
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#### APPLICATIONS:

- ✓ For a particular side, the two ends of the edge are pushed into the coating until they are in contact with the substrate (Ends act as the zero reference point)
- ✓ Place the **Wet Film Thickness Gauge** at a 90-degree angle to the coated material and make sure that it completely contacts the material.
- ✓ Once the measuring gauge is taken out of the material, depth is determined by the biggest notch that can be seen in the coating and the smallest notch that cannot be seen in the coating. For instance, if the largest notch that is observed is at 8 MILS (203 microns) and the smallest notch that is not observed is at 10 MILS (254 microns), it can be said that the wet film thickness is at 8 to 10 MILS (203 to 254 microns).
- ✓ To achieve accurate measurements, the following must be observed:
  - Measure wet film thickness immediately after the coating has been applied for coatings that cure
  - Must use gauge on a smooth, flat surface without irregularities
  - To receive average result, take several measurements in a series
  - Clean gauge with a soft cloth after use



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