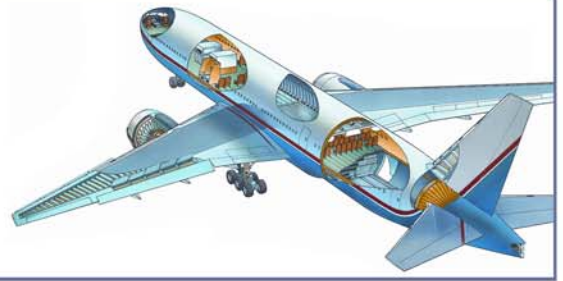


Zip-Chem[®] Wet Film Thickness Gauge



Description:

The Zip-Chem[®] Wet Film Thickness Gauge is a tool that is designed to measure a liquid coating's thickness in the easiest and fastest manner. It measures the thickness immediately after the coating has been applied on the material. The Zip-Chem[®] Wet Film Thickness Gauge has notches that are machined into the gauge sides.

Application:

The Zip-Chem[®] Wet Film Thickness Gauge has four sides with different ranges of values. The teeth between the edges of the gauge serve as references to the height of the coating as the ends of the edge of the gauge rest against the metal substrate. For a particular side, the two ends of the edge are pushed into the coating until they are in contact with the metal substrate.



Those ends act as the zero reference. The notches present on same sides are shorter relative to the outside notches. Each of these signifies varying heights from the metal substrate. The distances represent the wet coating thickness surface that needs to be measured. The notches are marked off in MILS (0.001 inches) on one face of the gauge and microns on the opposite face of the gauge.

The Zip-Chem[®] Wet Film Thickness Gauge must be placed at a 90-degree angle to the coated material and must be completely contacting it. Once the measuring gauge is taken out of the material, depth is determined by the notch that can be seen in the coating and the nearest notch that cannot be seen in the coating. For instance, if the notch that is observed is 8 MILS and the adjacent notch that is not observed is the 10 MILS notch, it can be said that the wet film thickness is at 8 to 10 MILS thick.

To achieve accurate measurements, the following must be observed:

- Wet film thickness must be measured immediately after the coating has been applied for coatings that cure
- The gauge must be used on a smooth, flat surface without irregularities
- Several measurements should be taken in series to get an average result
- The gauge should be cleaned with a soft cloth after use

The Zip-Chem[®] Wet Film Thickness Gauge is available to purchase as part number 100266.

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ZIP-CHEM[®] AVIATION PRODUCTS

400 JARVIS DRIVE, MORGAN HILL, CA 95037
PHONE: 1-800-648-2661 408-782-2335 FAX: 408-782-6304
WWW.ZIPCHEM.COM