

WET FILM THICKNESS WHEEL

ZNW 2055

Thickness wheel for determining the thickness of all types of liquid coatings.

For several reasons it is important to determine the thickness of freshly applied liquid ("wet") coatings: The applied film thickness is often decisive for the quality of the coated product. On the other hand, the quantity of applied material should not be too high, both for technical and economical reasons. By using a wet film thickness wheel, the applied thickness can be checked exactly.



Application/application areas

- For several industries such as paint-, varnish- and chemical industry, manufacturers of coating materials, laboratories, research and test institutes, contractors and traffic authorities.
- For all types of liquid coatings, applied to a smooth surface by spraying, brushing or dipping, i.e. for coatings prepared from coating materials (paints and varnishes), enamel, adhesives and many other materials.
- For field and laboratory use as well as on the production line

Standard extent of delivery

- 1 comb gauge wheel
- 1 handle
- 1 soft case

Options

- Individual company logo
- ZTC 2200 Test charts
- ZKZ 026 Calibration and certification (incl. certificate)

Features

- Suitable for convex and concave surfaces
- Easy to handle
- Easy to clean
- Besides plane standard substrates also suitable for small, convex and concave surfaces as well as edges

Handling

- Place the thickness wheel firmly onto the substrate with the liquid coating so that the teeth are normal to the plane of the surface
- Turn the thickness wheel 360° in the coating
- Remove the thickness wheel and examine which teeth gap have been wetted by the coating
- The wet film thickness of the coating is between the last wetted tooth gap and the first tooth gap which has not been wetted (see the figure)
- Clean the thickness wheel with a solvent

Technical specification

Version	Test range	Resolution
2055.05	5 µm to 180 µm	5 µm
2055.25	25 µm to 900 µm	25 µm
2055.50	25 µm to 2'000 µm	25-300 µm: 25 µm; 300-1'000 µm: 50 µm; 1'000-2'000 µm: 100 µm
2055.01	100 µm to 3'600 µm	100 µm
2055.S	On request	On request

Material

Stainless steel

Warranty

2 years

Standards

DIN EN ISO 2808, ASTM D 4414

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