



## COBB SIZING TESTER

- > CT-100 model
- > CT-50 model
- > CT-25 model
- > CT-10 model



To determine the water absorption capacity of paper and corrugated cardboard (quick clamping grip)

## COBB SIZING TESTER

### APPLICABLE STANDARDS:

TAPPI T441-ISO 535-NF Q-03-018- NF Q-03-035 -FEFCO 7- DIN 53132- EN 20535 - SCAN P12..

### TEST DESCRIPTION

The Cobb testing equipment allows to measure the amount of liquid that penetrates a sheet of paper and cardboard. The definition of the Cobb value for a degree of gluing is the calculation of the weight of water absorbed in a specified time per 1 m<sup>2</sup> of paper or cardboard under standard conditions (ISO 535).

The Cobb Sizing Tester consists of a cylindrical container clamped to a metal base covered with a sheet of flexible material, to make a hermetic seal, once the sample has been placed between the base of the cylindrical container and the flexible sheet of the base plate. A conditioned sample is pre-weighed on a balance, with an accuracy of 1 mg, and then placed inside the Cobb equipment when it is dry. Once the sample is in place, 100 ml ± 5 ml of distilled water are poured into the cylindrical container, simultaneously taking the time on a stopwatch. For example, if a time period of 60 s has been selected, the water should be evacuated after 45 seconds.

- Quick clamping of the sample (spring loaded)
- Test area of the standard sample 100 cm<sup>2</sup>
- 10 Kg stainless steel roller
- Soft rubber sealing gasket
- Made of stainless steel

- COBB Tester with a quick clamping grip, on a metal base covered with a rubber sheet.
- 200 mm polished metal roller. length, a diameter of 90 mm and a weight of 10 ± 0.5 Kg
- Non-absorbent soft rubber ring to avoid lateral water seepage.

In addition to this equipment, you will also need for the full Cobb test: blotter sheets with a basis weight of 200-250 g/m<sup>2</sup>, an analytical balance with a sensitivity of 0.001 g, a stopwatch, and a graduated glass cylinder.



Code 10006583 - **COBB TESTER CT/100** with a cylinder of 100 cm<sup>2</sup> (Without metal roll)

Code 10008750 - **COBB TESTER CT/50** with a cylinder of 50 cm<sup>2</sup> (Without metal roll)

Code 10008751 - **COBB TESTER CT/25** with a cylinder of 25 cm<sup>2</sup> (Without metal roll)

Code 10008752 - **COBB TESTER CT/10** with a cylinder of 10 cm<sup>2</sup> (Without metal roll)

Code 10006595 - **STAINLESS STEEL ROLLER (10 Kg)**

Code 10002856 - **PACK of Blotting Paper, 20x20 cm, 500 sheets of 250 g/m<sup>2</sup>**

**DIMENSIONS APPROX.:** 200 x 300 x 180 mm (W x D X H)

**NET WEIGHT (WITH ROLLER):** 13 Kg

**TRANSPORTATION BOX DIMENSIONS APROX.:** 300 x 450 x 300 mm (W x D X H)

**GROSS WEIGHT (WITH ROLLER):** 18 Kg (CT/100 model+ Stainless Steel Roll)

#### STANDARD SUPPLY CONTENT:

- \* COBB SIZING TESTER (Selected model - with or without Roller)

#### OPTIONAL:

We manufacture Simple Cobb Apparatus (in the same sizes 100-50-25-10 cm<sup>2</sup>) with sample clamping by screws with manual tightening knob.

