

COBB SIZING TESTER

For determining the water absorbance of Paper and Corrugated Board

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

- ❑ **Quick clamping of the sample (by spring)**
- ❑ **Test area - 100 cm²**
- ❑ **Stainless steel hand roll – 10 Kg**
- ❑ **Soft rubber gasket**
- ❑ **All in stainless steel**



- **Cobb tester** with a cylinder of 100 +/-0,2 cm² inside section (diameter of 112,8 +/- 0,2mm), quick clamping system and mobile grip based upon a metal base plate and a none- absorbent soft rubber seal to avoid leaking.
- **1 Polished standardized metal roller** (stainless steel), length 200mm., diameter 90mm. Weight 10 +/-0,5 kgs.

Besides this equipment, also needed for the complete Cobb test:: blotting paper sheets with a basis weight of 200-250 gr./m², an analytical balance with a sensitivity of 0,001 g, a stopwatch and a graduated glass cylinder.

NOTE: Optionally we can modify the Cobb Tester for inside sections of 50 or 25 cm² with corresponding rubber seals.

Test Description

Cobb Testers measure the amount of liquid penetration into a sheet of Paper, Cardboard or Corrugated Board. The definition of Cobb value for the sizing degree is the calculated mass of water absorbed in a specified time by m² of material under specified conditions (ISO 535).

The Cobb sizing Tester consists of a cylindrical container clamped to a flat base with a flexible backing onto which the sample is placed. A conditioned test sample is weighed and placed into the dry cylinder. 100 cc of water is poured over the test sample. After a specified time the water is poured off and the test piece is placed with the wet side up on the standardized and dry blotting paper. Another blotting paper is placed on top of the test sample and the excess water is removed by means of the standardized roller (2 times forwards and backwards). The sample is weighed again and the results are calculated and reported as absorbance in g/ m² according to the standard method.

DIMENSIONS AND WEIGHT:

Dimensions: 200 x 300 x 180 mm (M x D x H)
Box for Transport: 300 x 400 x 200 mm (M x D x H)
Weight Net/ Gross: 13 Kg / 16 Kg

DELIVERY CONTENT:

> COBB Tester with a rubber gasket + Roll of 10 Kg

