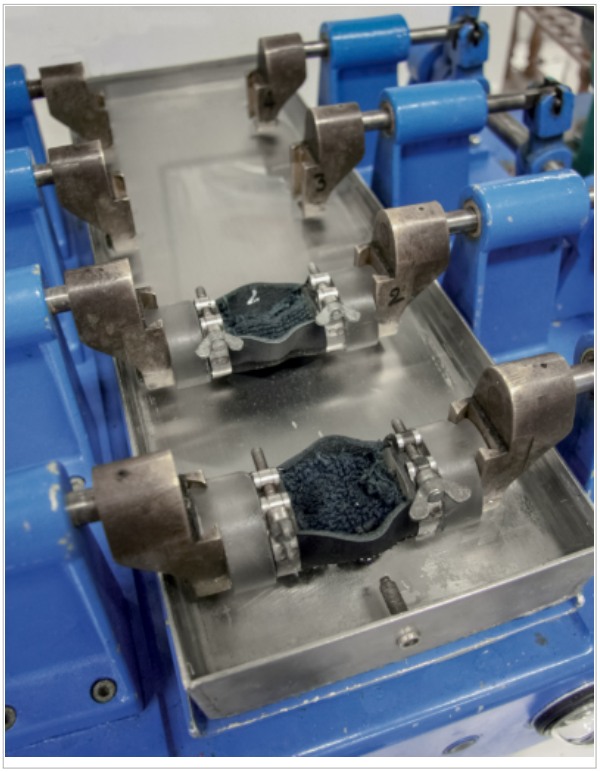
Water resistance test On Bally Penetrometer

Objective



This test is used to measure the water resistance of upper material. It evaluates both the water penetration time and the quantity potentially absorbed.

Principle

The test consists in determining the water penetration and water diffusion through a material sampled from the upper, by partially immersing a semi-cylindrical specimen. The specimen is subjected to cyclic compressions to simulate the stresses in use (pumping effect). The results cover the material penetration time (expressed in minutes), the water absorption of the material (expressed as a percentage) and the quantity of water transferred (expressed in g).

Type: Physical and mechanical test
Standard: EN ISO 17702
Product: Footwear
Criteria: Comfort
Components: Leather upper / Textil upper

Last modified on 2025-03-28