



Water resistance (WR)

Objective

This test determines the impermeability of the shoe as a whole. The test simulates walking in a wet environment (such as a puddle).

Principle

The shoe is attached to an articulated foot and placed in a tub of water. It is then flexed at an angle of 22° and a rate of 60 flexes/minute with water 2 cm above the edge line for 80 minutes.

Water resistance is checked at the end of the test.

Type: [Physical and mechanical test](#)

Standards: [EN ISO 20344 §5.19](#) / [EN ISO 20345 §6.2.5](#)

Product: [Footwear](#)

Criteria: [Mechanical risk](#) / [PEE](#)

Component: [Whole shoe](#)



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