



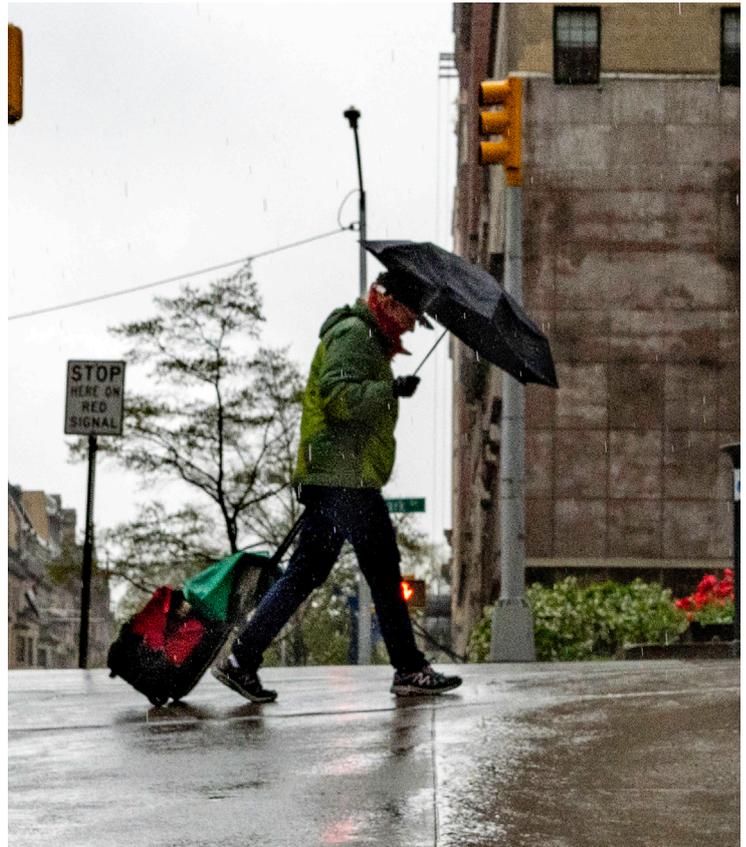
# Water Repellency Testers

# Testing for Water Repellency

A textile's water repellency property refers to the waterproof quality of the item through a thin surface layer that prevents the outer layer of fabric becoming saturated with water. The effectiveness of this surface layer will determine how protective the item, be it garments like outerwear, rainwear or outdoor gear like tents and tarps, are in keeping the user dry.

The two primary test methods for testing for Water Repellency are AATCC 22: Water Repellency: Spray Test and AATCC 42: Water Resistance: Impact Penetration.

SDL Atlas offers two precision instruments for evaluating to these water repellency test methods: the Impact Penetration Tester, for testing for AATCC 42 and the Spray Rate Tester for testing AATCC 22.



## Impact Penetration Tester



### For AATCC 42: Water Resistance: Impact Penetration

The Impact Penetration Tester evaluates the resistance of textiles to the penetration of water by impact, such as rain penetration. The sturdy frame, made of high-grade stainless steel, allows for repeatable and accurate test results.

The drip catcher can be rotated into place once the test is completed and keeps residual water from potentially contaminating future tests.

**The best tool to determine the impact penetration of wetting resistance of fabrics.**

#### STANDARDS:

AATCC 42

ISO 18695

IST 80.2 (01)

WSP 080.3.R4 (12)

AAMI PB70

Used to perform critical safety testing for Personal Protective Equipment (PPE)

# Features

This Type II Design Impact Penetration Tester is specifically designed to meet AATCC TM42. SDL Atlas also supplies the specialized 6" x 9" Blotting Paper the test requires.



Strong Clamps hold the sample firmly in place. The bottom clamp is weighted to flatten the sample.

A small blade inside the funnel allows water to move smoothly, through the funnel without any swirling.



The drip catcher is rotated to the right and taken out to remove the leftover water.



Air-bubble level on the base shows the instrument is horizontal.



# Spray Rating Tester

## For AATCC 22: Water Repellency: Spray Test



The best tool to quickly determine the surface wetting resistance of fabrics.

The Spray Rating Tester determines the surface wetting resistance of fabrics. It is comprised of a metal framework allowing distilled water to be sprayed through a nozzle onto a test specimen at 45° located 150 mm below the nozzle. The appearance of the specimen is then compared against a photographic scale.

### Innovation made easy

- Precision spray nozzle
- Quick lock design for easy sample loading
- Durable metal frame made of high-grade 316 stainless steel to prevent rusting



Quick Lock Sample Holder



Open



Closed

#### STANDARDS:

ISO 4920	M&S P23	AATCC 22
Next 23	BS EN 24920	BS 3702
GB/T 4745	WSP 080.1.R4 (12)	IST 80.1 (01) 8.1

Providing confidence in standard based testing through expertise and global partnering



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