

sprayTESTER Nx™

INTRODUCTION

Water repellency is an important property of textile fabrics to measure the efficiency of water resistant/repellant finishing applied on textiles. Paramount *sprayTESTER Nx™* is the appropriate equipment to test the property spraying a specified volume of distilled water is sprayed on a Test specimen, which has been mounted on a ring and placed at an angle of 45°, so that the center of the specimen is 150mm below the spray nozzle. The Spray rating is determined by comparing the appearance of the specimen with AATCC Spray Test Rating Chart.

EQUIPMENT

PARAMOUNT *sprayTESTER Nx™* is completely made of Stainless Steel with an inclined plane for placing the test specimen and a standard Stainless Steel spray nozzle for spraying the specified volume of water over its upper face from a height of 150 mm. The test specimen is held in a circular plastic frame, which is fitted over the inclined. The precision spray nozzle is fixed at the lower end of specially designed the plastic funnel. Size & the number of holes on spray nozzle are made very precisely as per American standards. It is held in a bracket vertically above the center of the test specimen. The apparatus is kept inside a plastic tray to collect the sprayed water during testing.

SALIENT FEATURES

- Spatially designed equipment to measure the resistance of fabrics to wetting by water.
- Latest economic design with modern esthetics.
- With Stainless steel spray nozzle for rust free, long life & durability.
- Complete with all accessories including 500ml beaker, template & marking pen for cutting specimen.
- Specimen holder is fixed at 45° to the specification of American standard.
- Supplied with calibration & inspection certificates.

***sprayTESTER Nx™* is supplied complete with below accessories.**

Main unit	: 01 No.
Trey for Conducting the Test	: 01 No.
Calibrated Beaker (500 ml.) (Plastic)	: 01 No.
Specimen Template	: 01 No.
Fine Cutting Scissors	: 01 No.
Marking Pen	: 01 No.
Detailed User's Manual	: 01 No.
Calibration Certificates (Traceable to NPL)	: 01 No.
Inspection and Conformance Certificate	: 01 No.



TECHNICAL DETAILS

Size of test specimen	: 180 x 180 mm square.
Spray nozzle	: Converse face with 19 holes. (Center-1, First circle-6, Second circle-12)
Rate of water spray	: 250 ml in 25 to 30 seconds
Position of test specimen	: Mounted on a ring and placed at an angle of 45°
Distance between center of spray nozzle and center of the specimen	: 150 mm (±2 mm)
Holder Dia.	: 150 mm (±5 mm)
Plastic funnel dia.	: 150 mm (±5 mm)
Height of the funnel with nozzle	: 200 mm (±10 mm)
Weight	: 4.6 Kg. (10.2 lbs)
Dimension	: Length Width Height 419.mm 305.mm 482mm 16.5Inch 12 Inch 19 Inch

RELATED STANDARDS

AATCC 22

REFERENCE STANDARDS

ISO	4920
BS EN	24920
BS	3425
IS	390
Marks & Spencer	P23



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