

EQUIPMENT DETAILS OF SPRAY RATE TESTER



APPLICATION

[Water repellency](#) is an important property of textile fabrics to measure the efficiency of water resistant/repellant finishing applied on textiles. Spray Rating Tester 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.

USAGE

To determine the water repellency or surface wetting resistance of fabrics. Appearance of the specimen is compared against photographic chart.

TEST STANDARD:

ISO 4920-Determination of resistance to surface wetting (spray test)

AATCC 22-Water repellency: spray test

BS 3702-Determination of Resistance of Textile Fabrics to Surface Wetting (Spray Test)

IS 390-Determination the water repellency of fabrics by water spray test

NEXT 23, WSP 080.1.R4 (12), BS EN 24920, M&S P23

SALIENT FEATURES

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

TECHNICAL DETAILS

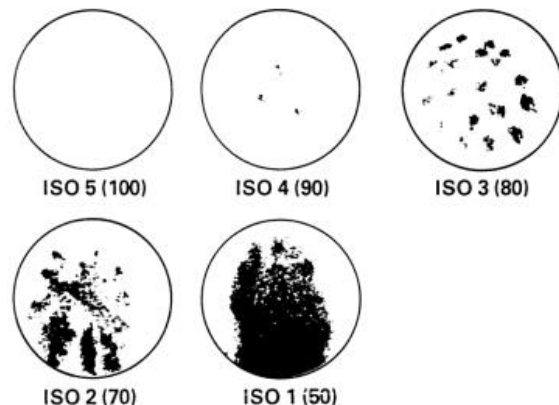
1. Size of test specimen: 180 x 180 mm square.
2. Spray nozzle: Converse face with 19 holes.
(Center-1, First circle-6, Second circle-12)
3. Rate of water spray: 250 ml in 25 to 30 seconds.
4. Position of test specimen: Mounted on a ring and placed at an angle of 45°
5. Distance between center of spray: 150 mm (± 2 mm)
6. Holder Dia.: 150 mm (± 5 mm)
7. Plastic funnel dia.: 150 mm (± 5 mm)
8. Height of the funnel with nozzle: 200 mm (± 10 mm)
9. Dimensions: 200 x 250 x 480 mm
10. Weight: 5kg

ACCESSORIES SUPPLIED WITH THE INSTRUMENT

1. Main Unit: 01 No.
2. Calibrated Beaker (500 ml.) (Plastic): 01 No.
3. Specimen Template: 01 No.
4. This User's Manual: 01 No.

AATCC SPRAY TEST RATING CHART

Standard spray test ratings



- | | |
|---|---|
| ISO 5 : No sticking or wetting of upper surface. | ISO 2 : Partial wetting of whole of upper surface. |
| ISO 4 : Slight random sticking or wetting of upper surface. | ISO 1 : Complete wetting of whole of upper surface. |
| ISO 3 : Wetting of upper surface at spray points. | |

Coloured water used for photographic effect.

From BS 3424-26:1990¹

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HAIDA Mission:

Deliver the best testing equipment to our customers