



## PERSPIRATION TESTER

FOR AATCC / ISO STANDARD

### A Colorfastness Test

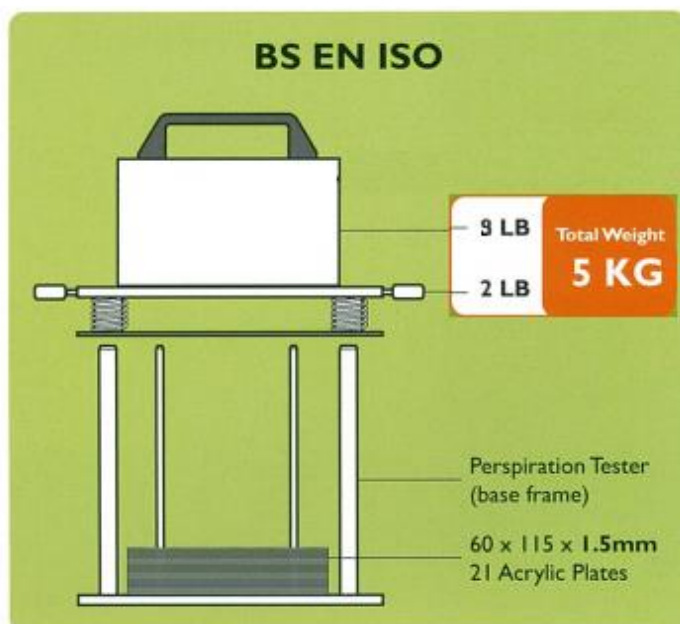
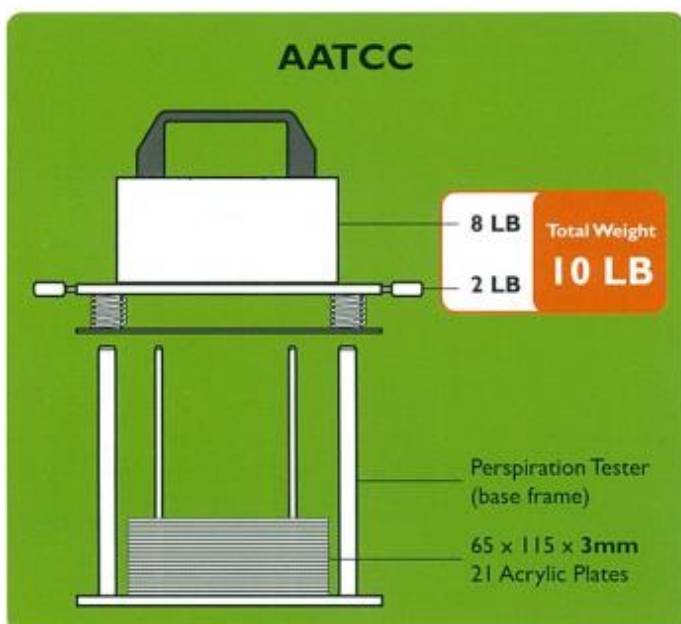
By different combination, **Perspiration Tester** complies AATCC or BS EN ISO standard requirements.

Prepare a specimens attached with multifibre adjacent fabrics which had been completely penetrated by the testing solution (human perspiration, water or sea water, etc) and wet out. For total 20 specimens can be held between acrylic separator plates and test them together. Set the acrylic plates on the base frame of perspiration tester, then place the loading weight and upper frame of perspiration tester over the acrylic plate as picture as shown.

Use the 2 screws to lock the perspiration tester tightly for exert a constant force to specimens and multifibre adjacent fabric inside acrylic plates. Then, take out the loading weight.

Place the perspiration tester into an Oven/ Incubator for temperature conditioning at 37°C.

After a period of time as 4 or 6 hours, remove the multifibre adjacent fabric and specimens from acrylic plates, allow it dry and cool down, then accessing them in viewing cabinet and grading with gray scale.



## B Phenolic Yellowing Test

Perspiration Tester can also be used for Phenolic Yellowing Test by using a test package consisting of test papers, test specimens and one control fabric. Each specimen and the control fabric are individually placed between a folded test paper placed between two glass plates in a horizontal formation. The stack of 7 plates, test papers, specimens and control fabric is then wrapped firmly in 3 layers of BHT (butyl hydroxytoluene) free polyethylene film to create an airtight package. Put this package on Perspiration Tester with load of 5kg weight. And then place it into a incubator or oven and maintain at 50°C for conditioning. A Perspiration tester may accept for 3 packages. After a period of 16 hours, on removal of the package from the incubator/oven and test device, it is allowed to cool. The control fabric and specimens are assessed immediately by comparison with the grey scale for assessing staining in viewing cabinet.

