

WIRA Soil Applicator with cylinder and modified Hexapod lid.

A dispensing hopper is mounted on a free standing unit and vibrated electronically. A centrally fitted ribbed applicator driven by a variable speed motor, evenly disperses the soil.

The hopper and applicator are designed to fit into the WIRA Hexapod Drum and the soil is dispensed directly onto a carpet sample mounted directly inside the drum. A 2.3kg cylinder, 205mm long x 63mm in diameter, runs freely within the drum and over the carpet sample. A modified Hexapod drum lid allows the unit to be used with existing Hexapod units.

- Works with existing Hexapods
- Cost effective
- Compact design



Consumables:

- *Standard laboratory testing soil (ISO)*
Order code- **HEX:TSS**



LABORATORY SOILING TESTS USING THE WIRA HEXAPOD TUMBLER CARPET TESTER

Standards:

ISO 11378-2:2001 (BS EN) Textile floor coverings – Laboratory soiling tests – Part 2 Drum Test
ASTM D6540-00 Standard Test Method for Accelerated Soiling of Pile Yarn Floor Covering

Test Method

The test method utilises the WIRA Hexapod Tumbler Carpet Tester to subject carpet test specimens to an accelerated soiling process. Soiled pellets are prepared by mixing a standard soiling compound with polyamide pellets inside a mixing container.

The container is placed on the Hexapod Tester and driven for 20 minutes to thoroughly mix the ingredients.

The carpet samples are attached to the backing sheet of the test drum using double-sided

adhesive tape, and then placed inside the drum.

The soiled pellets, together with some chrome alloy steel balls are placed inside the drum, and the lid closed. The drum is then set to rotate for 30 minutes and the specimens are removed from the drum.

Assessment

Assessment of the samples may be carried out either by colour measuring devices or by using Large Grey Scales.

Ordering Information

HEX:LST - Starter kit for drum soiling test including AATCC Standard Soil (1 kg), polyamide pellets (1 kg), Chrome alloy steel balls (1 kg), mixing container (suitable for use with the Hexapod Tumbler), straight edge ruler, backing sheet.

HEX:DRM - Spare Hexapod Drum, it is recommended that a separate drum is used for the soiling tests, so that the carpet samples are not contaminated during the standard appearance test.

HEX:GSC - Large Grey Scales
HEX:PPL - Tub of Polyamide Pellets (15kg)

HEX:TSA - AATCC Standard Laboratory Testing Soil (1kg)