

NEW WIRA Hexapod Tumbler Carpet Tester

The WIRA Hexapod Tumbler Tester is a popular apparatus used internationally for the evaluation of the appearance retention of carpets.

The unit provides a rapid and convenient method of test to recognised standards and carpet samples can be tested with or without underlay.

The new generation model includes a colour touch-screen making the operation even easier.

Method

Specimens of carpet are fastened to a flexible backing sheet with double-sided adhesive tape. This assembly is fitted on the inside surface of the drum and can easily be removed at any stage for inspection of the specimens under test.

If required, an underlay may be fitted beneath the carpet for direct comparison with normal use.



Conforms to:
ISO 10361:2000 (BS)
Wools of New Zealand (& IWS)
test methods 247 & 251*
ISO 9405:2001*
BS EN 1471:1997 *
*** Assessment**

Dimensions:
Width: 460mm
Depth: 580mm
Height: 500mm
Power Consumption: 375 W

Consumables:
Replacement polyurethane feet.
(Order Code HEX:SFT)
Drum Liner.
(Order Code HEX:DLN)

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The drive to the drum incorporates a reversing mechanism to give more realistic pile disturbance, and the required number of revolutions can be pre-set using the touch-screen.

The 3.8kg tumbler has six polyurethane stud feet.

The carpet specimens are treated for 2,000 revolutions, which takes approximately one hour. They are then taken out of the drum on their backing sheet and cleaned using an upright vacuum cleaner simulating practical usage. The specimens are replaced and the treatment repeated, normally six times, giving a total of 12,000 revolutions.

After the final vacuum cleaning, the change in appearance is assessed against an appropriate set of ISO reference scales.

The method of test meets the requirements of:

ISO9405, BS EN 1471 Assessment of appearance change including details of scales (ISO 9405).

BS ISO 10361 Production of changes in appearance by means of Vettermann Drum and Hexapod Tumbler Tester.

Hexapod - Assessment of change in appearance

Two methods of assessment are described in ISO9405:2001

Method A describes a method using the following apparatus:

Illumination Device with rotary viewing table

Order Code **HEX:LM1**

Large Grey Scales

Order Code **HEX:GSC**

Digital Image Reference Scale

Order Code **HEX:DIR**

BS EN 1471:1997 describes a similar method using standard fatigued specimens (reference scales)

Method B describes a method using the following apparatus:

Assessment Masks

Order Code **HEX:MSK**

Illumination Device

Order Code **HEX:LM2**

Digital Image Reference Scales

Order Code **HEX:DIR**