

Treadwheel type BMX-B EN 1963

Scope of application:

EN 1963

This standard specifies four test methods for textile floor coverings (with and without carpet pad) with the Lisson Tretrad system.

Test A.

Determination of the weight loss of textile floor coverings and application to evaluate the fiber bonding of synthetic cut pile floor coverings.

Test B.

Determination of the change in appearance of textile floor coverings at stair nosings.

Test C.

Determination of the fiber bonding of synthetic loop pile floor coverings.

Test D.

Determination of the fiber bonding (hairiness) of needlefelt floor coverings.

Brief description of the method

The test specimens of textile floor coverings are tested using a four-footed treadwheel at constant weight and slip and at a fixed number of double turns. The treadwheel feet are covered with replaceable brine covering.



The treadwheel extends beyond the front edge of the sample table and is supported there by a height-adjustable buffer. The adjustment of the

The adjustment of the buffer allows the treadwheel to be positioned between 5mm below and 5mm above the sample table surface in relation to the lower edge of the foot (without brine material) when the treadwheel arm is in a vertical position.

At the reversal points there is a standstill of approx. 2 sec. During the short standstill at the front reversal point, the treadwheel is rotated by an angle of rotation that ensures uniform loading, that the feet run over different areas of the test samples. The vertical force exerted by the treadwheel on the sample must be load must be (15 ± 1.0) kg in the static state with the feet raised.

Treadwheel type BMX-B EN 1963
The test device consists of:

Base frame made of aluminum profile

Steel sample table.
Aluminum carriage.

Carriage guided by hardened and hardened and ground solid steel axles and ball bushings 40 mm \varnothing .

Carriage driven by geared brake motor. Power transmission to the main shaft by toothed belt with steel cable insert. Longitudinal drive by spur gear on plastic toothed rack.

Treadwheel drive by plastic toothed belt with steel cable insert and disk clutch.

The linear speed of the carriage is (0.28 ± 0.02) m/s

The distance between the vertical projection of the treadle wheel axis onto the table at the rear reversal point and the front edge of the table is (800 ± 20) mm. This distance is the walking distance.

To clamp the measuring sample two clamping clamps are used. A third clamp, each connected to a weight, subjects the sample to a preload force of 200 N and fixes it with the clamps under this preload.

Suction device:

Two suction nozzles, which follow the linear movement of the carriage, are movably mounted by a swivel joint. 1 Vacuum cleaner. 1200-1600 watts. Interval switch built in.

Switch box:

Sheet steel housing integrated into the base frame.
Panel with operating elements integrated into the front of the base frame

Equipment

- PLC control
- Electronic preset counter
- Electronic totalizer
- Protective device on all sides
- Protective covers with
- safety limit switch

Paint finish

2K - PURE RAL 7035

Dimensions:

Base area 220 x 93 cm

Height 128 cm, weight 540 kg

Connection:

1 x 230 V, 50/60 Hz N + PE 1.5 kW

Subject to technical modifications



Karl Schröder KG
Mierendorffstrasse 28
D-69469 Weinheim

Web: www.schroeder-prueftechnik.de
@: info@schroeder-prueftechnik.de
T: +49 6201 9068-0
F: +49 6201 9068-29