BS 5131 : Section 4.1 : February 1975

[Insole board peeling]

UDC 685.31 : 620.1 : 685.312.124 : 676.017.435.4

British Standard Methods of test for

Footwear and footwear materials

Part 4. Other components

Section 4.1 Resistance to peeling of insole board

NOTE. It is recommended that this Section should be read in conjunction with the information in the General introduction to BS 5131, published separately.

1. Scope

This Section describes a method for measuring the resistance of an insole board to the peeling of the surface layer from the remainder. The method is applicable to all insole boards.

NOTE. Section 4.1 is based on SATRA* Method AM 1, Appendix FB.

2. Principle

After the board has been bonded to a flexible substrate, using an adhesive that is strong enough to ensure that separation during subsequent peeling occurs entirely within the board, the resultant joint is peeled in a tensile-testing apparatus.

3. Test pieces

3.1 Direction of sheet run

3.1.1 Some types of insole board show a directional effect in that the peeling force in the direction of sheet run can be markedly different from that against the direction of sheet run. If the presence of this effect is suspected, cut a test piece in each of the following three directions so that the peeling forces may be determined accordingly:

(a) in the machine direction and with the sheet run;
(b) in the machine direction and against the sheet run;
(c) in the cross direction.

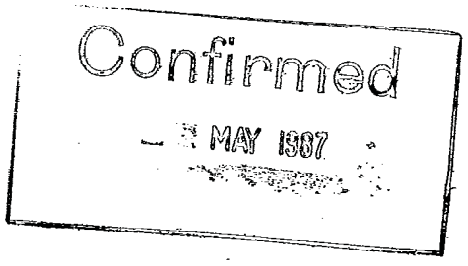
NOTE. Boards made with rubber-bonded chemical wood pulp usually exhibit this effect.

3.1.2 Provided that the board is not suspected to show the directional effect referred to by 3.1.1, cut two test pieces so that the peeling load may be determined in each of the following directions:

(a) in the machine direction;
(b) in the cross direction.

3.2 Cutting of test pieces. From the board cut either two or three rectangles, as required by 3.1, each approximately 90 mm by 105 mm with the direction of intended peel marked and parallel to the 90 mm sides (see figure 4.1/1).

*Shoe and Allied Trades Research Association



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