

5.5 Lining

5.5.1 General

The requirements apply for all class I footwear. The requirements for class II and hybrid footwear (3.19) apply depending on their type (see Table 2).

5.5.2 Tear strength

Determined in accordance with ISO 20344:2021, 6.3, the tear strength of the lining shall be in accordance with Table 13.

Table 13 — Minimum tear strength of lining

Type of material	Minimum force N
Leather	30
Coated fabric and textiles	15

5.5.3 Abrasion resistance

Tested in accordance with ISO 20344:2021, 6.12, the lining shall not develop any holes before the following number of cycles have been performed.

For vamp and quarter lining:

- 25 600 cycles at dry condition;
- 12 800 cycles at wet condition.

For lining used at heel area (5.2.3):

- 51 200 cycles at dry condition;
- 25 600 cycles at wet condition.

When quarter lining and lining at heel area is of the same material, the requirements of lining at heel area apply.

5.5.4 Water vapour permeability and coefficient

Tested in accordance with ISO 20344:2021, 6.6, 6.7 and 6.8, the water vapour permeability shall be not less than 2,0 mg/(cm²·h) and the water vapour coefficient shall be not less than 20 mg/cm².

No test is required, when lining material is present only in the heel area (5.2.3). When there is no stiffener or the stiffener is perforated, the material shall comply also WVP.

There is no requirement to test unlined stiffeners.

5.6 Tongue

5.6.1 General

The tongue need to be tested only, when the material, from which it is made or its thickness, or both, differs from that of the upper material.

