AS 2111.4—1990

Australian Standard®

Methods of test for textile floor coverings

Method 4: Method for the determination of surface pile mass above substrate

FOREWORD

The surface pile mass above the substrate provides a useful index of the total pile mass and density of a carpet. It also enables the comparison of all types of carpet irrespective of the method of manufacture, e.g. Axminster, Wilton or tufted. It should be noted that the extra pile yarn carried in the substrate of some woven carpets adds to the overall robustness of the carpet.

METHOD

1 SCOPE This Standard sets out the procedure for determining the mass per unit area of surface pile, which can be cut from above the substrate of a textile floor covering.

The surface pile mass per unit area can be expressed at its equilibrium condition or in terms of clean conditioned mass at agreed commercial allowances.

The method is applicable to most textile floor coverings having a pile. The method, however, is not suitable for accurately assessing the surface pile mass of pile floor coverings which do not have a clearly defined planar interface between pile and substrate.

2 REFERENCED DOCUMENTS The following documents are referred to in this Standard.

AS
2001 Methods of test for textiles
2001.1 Method 1: Conditioning procedures

2119 Method for sampling and cutting specimens of textile floor coverings for testing

BS
1752 Specification for laboratory sintered or fritted filters including porosity grading

2071 Soxhlet extractors

3 PRINCIPLE The mass of a specimen of known area is determined before and after the surface pile has been cut from it. The surface pile mass per unit area is calculated by difference.

The result may be expressed at its equilibrium condition or a separate sample may be tested after removal of moisture and fatty matter in the pile and the result corrected for agreed commercial allowances.

4 APPARATUS

4.1 Rule A rule graduated in millimetres.

4.2 Scissors A pair of scissors or other suitable means of cutting a test specimen.

4.3 Circular cutting die A circular cutting die of known area not less than 25 cm^2.