

# DIN EN 15186:2024-05 (E)

## Furniture - Assessment of the surface resistance to scratching

---

<b>Contents</b>		<b>Page</b>
European foreword .....		3
1	Scope .....	4
2	Normative references .....	4
3	Terms and definitions .....	4
4	Linear method (method A) .....	5
4.1	Principle .....	5
4.2	Apparatus and materials .....	6
4.2.1	Test apparatus .....	6
4.2.2	Equipment parameters .....	6
4.2.3	Scratching tip .....	6
4.2.4	Optical measurement equipment .....	7
4.2.5	Suitable illumination .....	7
4.2.6	Conditioning chamber .....	7
4.2.7	Cleaning cloth .....	7
4.3	Preparation and conditioning .....	7
4.3.1	Conditioning .....	7
4.3.2	Test surface .....	7
4.3.3	Checking of the tips geometry .....	7
4.4	Test procedure .....	8
4.4.1	General .....	8
4.4.2	Scratching of test area .....	8
4.4.3	Determination of scratching resistance .....	8
4.5	Assessment of results .....	10
5	Circular method (method B) .....	10
5.1	Principle .....	10
5.2	Apparatus and materials .....	10
5.2.1	Test apparatus .....	10
5.2.2	Viewing cabinet .....	12
5.2.3	Template .....	13
5.2.4	Conditioning chamber .....	14
5.2.5	Cleaning cloth .....	14
5.3	Preparation and conditioning .....	14
5.3.1	Conditioning .....	14
5.3.2	Test surface .....	14
5.4	Test procedure .....	15
5.5	Assessment of results .....	15
5.6	Expression of results .....	16
6	Test report .....	16
Annex A (informative) Checking of the tip, calculation of final results and example of protocol to record the results .....		18
A.1	Checking of the tip .....	18
A.2	Calculation of final result .....	18
A.3	Example of protocol to record the results .....	20
Bibliography .....		21