

# DIN EN 17539:2021-10 (E)

## Modular mechanical locked floor coverings (MMF) - Determination of geometrical characteristics

---

<b>Contents</b>		<b>Page</b>
European foreword .....		4
Introduction .....		5
<b>1</b>	<b>Scope .....</b>	<b>6</b>
<b>2</b>	<b>Normative references .....</b>	<b>6</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>6</b>
<b>4</b>	<b>Principles .....</b>	<b>7</b>
4.1	Thickness .....	7
4.2	Length and width .....	7
4.3	Squareness .....	7
4.4	Straightness .....	7
4.5	Flatness .....	7
4.6	Openings and height differences .....	7
<b>5</b>	<b>Apparatus .....</b>	<b>7</b>
5.1	Apparatus for thickness measurement .....	7
5.2	Apparatus for length and width measurement .....	7
5.3	Apparatus for squareness measurement .....	8
5.4	Apparatus for straightness measurement .....	8
5.5	Apparatus for determination of flatness .....	8
5.6	Apparatus for openings and height differences .....	9
<b>6</b>	<b>Sampling and selection of specimens .....</b>	<b>9</b>
<b>7</b>	<b>Atmosphere for conditioning and testing .....</b>	<b>9</b>
<b>8</b>	<b>Procedure .....</b>	<b>9</b>
8.1	Determination of thickness .....	9
8.2	Determination of length and width .....	10
8.3	Determination of straightness and squareness .....	10
8.3.1	Squareness .....	10
8.3.2	Straightness .....	11
8.4	Determination of flatness .....	12
8.4.1	Determination of width flatness .....	12
8.4.2	Determination of length flatness .....	12
8.5	Determination of openings and height differences between panels .....	13
8.5.1	General .....	13
8.5.2	Determination of openings between the panels .....	13
8.5.3	Determination of height differences .....	13
<b>9</b>	<b>Calculation and expression of results .....</b>	<b>14</b>
9.1	Thickness .....	14
9.2	Length and Width .....	14
9.3	Squareness .....	14
9.4	Straightness .....	14
9.5	Flatness .....	14
9.5.1	Width flatness .....	14

9.5.2	Length flatness .....	14
9.6	Openings and height differences .....	14
10	Precision statement .....	14
11	Test report .....	15
	Bibliography .....	16