

# DIN EN 1847:2010-04 (E)

Flexible sheets for waterproofing\_ - Plastics and rubber sheets for roof waterproofing\_ - Methods for exposure to liquid chemicals, including water

---

<b>Contents</b>		<b>Page</b>
	<b>Foreword</b>	<b>4</b>
	<b>Introduction</b>	<b>5</b>
<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>Principle</b>	<b>6</b>
<b>5</b>	<b>Apparatus</b>	<b>6</b>
<b>5.1</b>	<b>Container</b>	<b>6</b>
<b>5.2</b>	<b>Enclosure</b>	<b>6</b>
<b>5.3</b>	<b>Thermometer</b>	<b>6</b>
<b>5.4</b>	<b>Weighing bottle</b>	<b>7</b>
<b>5.5</b>	<b>Balance</b>	<b>7</b>
<b>5.6</b>	<b>Ventilated oven</b>	<b>7</b>
<b>6</b>	<b>Sampling</b>	<b>7</b>
<b>7</b>	<b>Preparation of test specimens</b>	<b>7</b>
<b>8</b>	<b>Procedure</b>	<b>7</b>
<b>8.1</b>	<b>Test liquids</b>	<b>7</b>
<b>8.2</b>	<b>Temperature</b>	<b>8</b>
<b>8.3</b>	<b>Exposure durations</b>	<b>8</b>
<b>8.4</b>	<b>Immersion procedure</b>	<b>8</b>
<b>8.4.1</b>	<b>Quantity of test liquid</b>	<b>8</b>
<b>8.4.2</b>	<b>Positioning of specimens</b>	<b>8</b>
<b>8.4.3</b>	<b>Rinsing and wiping</b>	<b>9</b>
<b>8.5</b>	<b>Determination of changes in mass</b>	<b>9</b>
<b>8.5.1</b>	<b>Test specimen</b>	<b>9</b>
<b>8.5.2</b>	<b>Initial value</b>	<b>9</b>
<b>8.5.3</b>	<b>Exposure</b>	<b>9</b>
<b>8.5.4</b>	<b>Measurement of mass</b>	<b>9</b>
<b>8.6</b>	<b>Determination of changes in appearance</b>	<b>10</b>
<b>8.6.1</b>	<b>Test specimen</b>	<b>10</b>
<b>8.6.2</b>	<b>Exposure</b>	<b>10</b>
<b>8.6.3</b>	<b>Procedure</b>	<b>10</b>
<b>8.7</b>	<b>Determination of changes in tensile properties</b>	<b>10</b>
<b>8.7.1</b>	<b>General</b>	<b>11</b>
<b>8.7.2</b>	<b>Test specimen</b>	<b>11</b>
<b>8.7.3</b>	<b>Initial value</b>	<b>11</b>
<b>8.7.4</b>	<b>Exposure</b>	<b>11</b>
<b>8.7.5</b>	<b>Follow up test</b>	<b>11</b>
<b>9</b>	<b>Expression of results</b>	<b>11</b>
<b>9.1</b>	<b>Changes in mass</b>	<b>11</b>
<b>9.1.1</b>	<b>Change in mass</b>	<b>11</b>
<b>9.1.2</b>	<b>Change in mass per unit area</b>	<b>12</b>
<b>9.1.3</b>	<b>Percentage change in mass</b>	<b>12</b>
<b>9.1.4</b>	<b>Mean value</b>	<b>12</b>
<b>9.2</b>	<b>Change in appearance</b>	<b>12</b>
<b>9.3</b>	<b>Changes in physical properties</b>	<b>12</b>
<b>9.3.1</b>	<b>Change in tensile properties (strength and elongation)</b>	<b>12</b>

<b>9.3.2</b>	<b>Percentage change of measurable physical property</b>	<b>13</b>
<b>9.3.3</b>	<b>Documentation of change in property</b>	<b>13</b>
<b>10</b>	<b>Test report</b>	<b>13</b>
<b>11</b>	<b>General comments</b>	<b>13</b>
<b>Annex A</b>	<b>(informative) Calibration of apparatus</b>	<b>15</b>
<b>A.1</b>	<b>Temperature calibration</b>	<b>15</b>
<b>A.2</b>	<b>Ventilation conditions</b>	<b>15</b>
	<b>Bibliography</b>	<b>16</b>