

# DIN EN 12758:2011-04 (E)

## Glass in building - Glazing and airborne sound insulation - Product descriptions and determination of properties

---

<b>Contents</b>		<b>Page</b>
Foreword .....		3
<b>1</b>	<b>Scope .....</b>	<b>4</b>
<b>2</b>	<b>Normative references .....</b>	<b>4</b>
<b>3</b>	<b>Terms and definitions and symbols .....</b>	<b>6</b>
<b>3.1</b>	<b>Terms and definitions .....</b>	<b>6</b>
<b>3.2</b>	<b>Symbols .....</b>	<b>7</b>
<b>4</b>	<b>Glass products .....</b>	<b>7</b>
<b>4.1</b>	<b>Basic glasses .....</b>	<b>7</b>
<b>4.2</b>	<b>Special basic glasses .....</b>	<b>8</b>
<b>4.3</b>	<b>Processed glasses .....</b>	<b>8</b>
<b>4.3.1</b>	<b>Strengthened glasses .....</b>	<b>8</b>
<b>4.3.2</b>	<b>Thermally toughened safety glasses .....</b>	<b>8</b>
<b>4.3.3</b>	<b>Laminated glasses .....</b>	<b>8</b>
<b>4.3.4</b>	<b>Coated glasses .....</b>	<b>9</b>
<b>4.3.5</b>	<b>Insulating glass units (IGU) .....</b>	<b>9</b>
<b>5</b>	<b>Test methods .....</b>	<b>9</b>
<b>5.1</b>	<b>General .....</b>	<b>9</b>
<b>5.2</b>	<b>Reference curves .....</b>	<b>10</b>
<b>5.2.1</b>	<b>General .....</b>	<b>10</b>
<b>5.2.2</b>	<b>Reference IGU 6(16)6 .....</b>	<b>10</b>
<b>5.2.3</b>	<b>Reference IGU 10 (16) 44-2 laminated glass with acoustic interlayer S .....</b>	<b>10</b>
<b>5.2.4</b>	<b>Maximum standard deviation of repeatability .....</b>	<b>11</b>
<b>5.3</b>	<b>Extension rules .....</b>	<b>12</b>
<b>5.3.1</b>	<b>General .....</b>	<b>12</b>
<b>5.3.2</b>	<b>Basic and special basic glasses .....</b>	<b>12</b>
<b>5.3.3</b>	<b>Laminated/laminated safety glass .....</b>	<b>13</b>
<b>5.3.4</b>	<b>Coated glasses .....</b>	<b>13</b>
<b>5.3.5</b>	<b>Insulating glass units .....</b>	<b>13</b>
<b>6</b>	<b>Sound insulation rating and classification .....</b>	<b>13</b>
<b>6.1</b>	<b>Sound insulation rating .....</b>	<b>13</b>
<b>6.2</b>	<b>Statement of acoustic performance of glass .....</b>	<b>13</b>
<b>6.3</b>	<b>Specification of glazing requirements .....</b>	<b>14</b>
<b>7</b>	<b>Typical performance data .....</b>	<b>14</b>
<b>Annex A (normative) Description of Reference Insulating Glass Units .....</b>		<b>16</b>
<b>Annex B (informative) Glazing recommendations .....</b>		<b>18</b>
<b>Bibliography .....</b>		<b>19</b>