

# DIN EN 13108-5:2006-08 (E)

## Bituminous mixtures - Material specifications - Part 5: Stone mastic Asphalt

---

<b>Contents</b>		<b>Page</b>
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, symbols and abbreviations .....</b>	<b>7</b>
<b>3.1</b>	<b>Terms and definitions .....</b>	<b>7</b>
<b>3.2</b>	<b>Symbols and abbreviations .....</b>	<b>8</b>
<b>4</b>	<b>Requirements for constituent materials .....</b>	<b>8</b>
<b>4.1</b>	<b>General .....</b>	<b>8</b>
<b>4.2</b>	<b>Binder .....</b>	<b>8</b>
<b>4.2.1</b>	<b>General .....</b>	<b>8</b>
<b>4.2.2</b>	<b>Selection of binder .....</b>	<b>8</b>
<b>4.2.3</b>	<b>Surface course with reclaimed asphalt .....</b>	<b>9</b>
<b>4.2.4</b>	<b>Regulating courses and binder courses with reclaimed asphalt .....</b>	<b>9</b>
<b>4.3</b>	<b>Aggregates .....</b>	<b>9</b>
<b>4.3.1</b>	<b>Coarse aggregates .....</b>	<b>9</b>
<b>4.3.2</b>	<b>Fine aggregate .....</b>	<b>9</b>
<b>4.3.3</b>	<b>All-in aggregates .....</b>	<b>9</b>
<b>4.3.4</b>	<b>Added filler .....</b>	<b>9</b>
<b>4.4</b>	<b>Reclaimed asphalt .....</b>	<b>10</b>
<b>4.5</b>	<b>Additives .....</b>	<b>10</b>
<b>5</b>	<b>Requirements for the mixture .....</b>	<b>10</b>
<b>5.1</b>	<b>General .....</b>	<b>10</b>
<b>5.2</b>	<b>Composition, grading, binder content and additives .....</b>	<b>11</b>
<b>5.2.1</b>	<b>Composition .....</b>	<b>11</b>
<b>5.2.2</b>	<b>Grading .....</b>	<b>11</b>
<b>5.2.3</b>	<b>Binder content .....</b>	<b>12</b>
<b>5.2.4</b>	<b>Additives .....</b>	<b>13</b>
<b>5.3</b>	<b>Coating and homogeneity .....</b>	<b>13</b>
<b>5.4</b>	<b>Void content .....</b>	<b>13</b>
<b>5.5</b>	<b>Voids filled with bitumen .....</b>	<b>14</b>
<b>5.6</b>	<b>Binder drainage .....</b>	<b>15</b>
<b>5.7</b>	<b>Water sensitivity .....</b>	<b>16</b>
<b>5.8</b>	<b>Resistance to abrasion by studded tyres .....</b>	<b>16</b>
<b>5.9</b>	<b>Resistance to permanent deformation .....</b>	<b>17</b>
<b>5.10</b>	<b>Reaction to fire .....</b>	<b>19</b>
<b>5.11</b>	<b>Resistance to fuel for application on airfields .....</b>	<b>19</b>
<b>5.12</b>	<b>Resistance to de-icing fluid for application on airfields .....</b>	<b>19</b>
<b>5.13</b>	<b>Temperature of the mixture .....</b>	<b>19</b>
<b>5.14</b>	<b>Durability .....</b>	<b>20</b>
<b>6</b>	<b>Evaluation of conformity .....</b>	<b>20</b>
<b>7</b>	<b>Identification .....</b>	<b>21</b>

<b>Annex A (normative) Calculations of the penetration or the softening point of the binder of a mixture when reclaimed asphalt is used .....</b>	<b>22</b>
<b>A.1 General .....</b>	<b>22</b>
<b>A.2 Calculation of the penetration of the binder of a mixture .....</b>	<b>22</b>
<b>A.3 Calculation of the softening point of the binder of a mixture .....</b>	<b>22</b>
<b>Annex ZA (informative) Clauses of this European Standard addressing the provisions of the EU Construction Product directive .....</b>	<b>24</b>
<b>ZA.1 Scope and relevant characteristics .....</b>	<b>24</b>
<b>WARNING -- Other requirements and other EU Directives, not affecting the fitness for intended uses, can be applicable to the asphalt concrete falling within the scope of this European Standard .....</b>	<b>24</b>
<b>ZA.2 Procedure(s) for attestation of conformity of stone mastic asphalt .....</b>	<b>26</b>
<b>ZA.2.1 System(s) of attestation of conformity .....</b>	<b>26</b>
<b>ZA.3 CE marking and labelling .....</b>	<b>29</b>