

# Product data sheet

<b>Type</b>	<b>8/16</b>																													
<b>General properties</b> Type of material Shape	Expanded clay spherical																													
<b>Geometrical properties</b> Aggregate size	8/16	mm																												
<b>Physical properties</b> Loose bulk density Particle density	430 ± 50 800 ± 50	kg/m <sup>3</sup> kg/m <sup>3</sup>																												
<b>Chemical properties</b> Chloride Acid-soluble sulfur Total sulfur	< 0,02 < 0,8 < 1,0	M.-% M.-% M.-%																												
<b>Chemical composition</b> SiO <sub>2</sub> Al <sub>2</sub> O <sub>3</sub> Fe <sub>2</sub> O <sub>3</sub> CaO Trace elements	55 ± 5 24 ± 5 14 ± 5 5 ± 5 2 ± 2	% % % % %																												
<b>Other Properties</b> Thermal conductivity Fire resistance	n.n. A1 (DIN 4102)	W/(mK)																												
<b>Grading (annual production statistics 2012)</b>																														
<p>The graph displays the grading curve for the product in 2012. The x-axis represents Sieve opening in millimeters (mm), ranging from 6 to 18. The y-axis represents the percentage of material passing through the sieve, ranging from 0 to 100. Three data series are plotted: the Mean (solid line with circular markers), the 5% fractile (dashed line with circular markers), and the 95% fractile (dotted line with circular markers). All three curves show a sharp increase in passing percentage between 8 mm and 10 mm, and then continue to rise more gradually towards 100% at 16 mm.</p> <table border="1"> <caption>Approximate data points from the grading curve graph</caption> <thead> <tr> <th>Sieve opening [mm]</th> <th>Mean [M.-%]</th> <th>5% - fractile [M.-%]</th> <th>95% - fractile [M.-%]</th> </tr> </thead> <tbody> <tr> <td>8</td> <td>10</td> <td>5</td> <td>15</td> </tr> <tr> <td>9</td> <td>20</td> <td>5</td> <td>40</td> </tr> <tr> <td>10</td> <td>35</td> <td>10</td> <td>60</td> </tr> <tr> <td>12</td> <td>65</td> <td>45</td> <td>85</td> </tr> <tr> <td>14</td> <td>80</td> <td>75</td> <td>95</td> </tr> <tr> <td>16</td> <td>100</td> <td>100</td> <td>100</td> </tr> </tbody> </table>			Sieve opening [mm]	Mean [M.-%]	5% - fractile [M.-%]	95% - fractile [M.-%]	8	10	5	15	9	20	5	40	10	35	10	60	12	65	45	85	14	80	75	95	16	100	100	100
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