

# Product data sheet

## SioxX®-Ten / SioxX®-Ten PLUS

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<b>Description</b>	<p>SioxX®- Ten and SioxX®- Ten PLUS are primarily designed for ultra low cement alumina based or microsilica-gel bonded no-cement castables.</p> <p>SioxX®- Ten mainly works at the range of 800-1100°C, while SioxX®- Ten PLUS is recommended to work at the range of 600-900°C.</p> <p>Both of them enhance the rheological properties, reduce the water demand, increase the flow, control the working and de-moulding time, help develop high green strength as well as high strength at the indicated working range of temperature.</p>																											
<b>Applications</b>	Tailor-made product for microsilica-gel bonded mixes and castables.																											
<b>Benefits</b>	<ul style="list-style-type: none"> <li>• Reproducible wet-out, flow and set-time</li> <li>• Improved green strength</li> <li>• Easy to dose</li> <li>• Easy to disperse in the dry and wet mix</li> </ul>																											
<b>Technical data</b>	<table border="1"> <thead> <tr> <th></th> <th>SioxX®- Ten</th> <th>SioxX®- Ten PLUS</th> </tr> </thead> <tbody> <tr> <td>Range of Working Temp.</td> <td>800 - 1000°C</td> <td>600 - 900°C</td> </tr> <tr> <td>Appearance</td> <td colspan="2">Grey powder</td> </tr> <tr> <td>Bulk density</td> <td colspan="2">300 - 550 kg/m<sup>3</sup></td> </tr> <tr> <td>pH-value (10% solution)</td> <td colspan="2">8 – 10</td> </tr> <tr> <td>SiO<sub>2</sub></td> <td>55 - 70 %w/w</td> <td>40 - 55 %w/w</td> </tr> <tr> <td>Al<sub>2</sub>O<sub>3</sub></td> <td>25 - 40 %w/w</td> <td>25 - 40 %w/w</td> </tr> <tr> <td>Proprietary additives</td> <td>5 - 15 %w/w</td> <td>15 - 25 %w/w</td> </tr> <tr> <td>Recommended dosage</td> <td colspan="2">2 - 3 %w/w</td> </tr> </tbody> </table>		SioxX®- Ten	SioxX®- Ten PLUS	Range of Working Temp.	800 - 1000°C	600 - 900°C	Appearance	Grey powder		Bulk density	300 - 550 kg/m <sup>3</sup>		pH-value (10% solution)	8 – 10		SiO <sub>2</sub>	55 - 70 %w/w	40 - 55 %w/w	Al <sub>2</sub> O <sub>3</sub>	25 - 40 %w/w	25 - 40 %w/w	Proprietary additives	5 - 15 %w/w	15 - 25 %w/w	Recommended dosage	2 - 3 %w/w	
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<b>Packaging</b>	The product is available in 20 kg plastic bags, 600 kg per pallet. Please contact our sales representative for more details.																											
<b>Storage and handling</b>	<ul style="list-style-type: none"> <li>• Avoid dust generation</li> <li>• Store in original packaging (or re-seal opened packages) under dry conditions &gt;0°C.</li> <li>• Shelf-life (best before) is 24 months from the date of production, if stored properly.</li> </ul>																											
<b>Health, safety &amp; environment</b>	<p>Please consult our Product Safety information on our website:</p> <p><a href="#">Silicon based materials   TDS/SDS Finder   Elkem.com</a></p>																											
<b>Sustainability</b>	<p>For Elkem, sustainability is central to our business strategy. Our mission is to provide advanced material solutions shaping a better and more sustainable future, adding value to our stakeholders globally. We are committed to reduction in embodied carbon emission. For further information, please visit <a href="http://www.elkem.com/sustainability/">www.elkem.com/sustainability/</a> or contact us to learn more about our sustainability roadmap.</p>																											
<b>Additional information and contact</b>	For further information, please contact our local sales representative. Our specialists will assist you in solving individual problems.																											