

Product data sheet SioxX®-Ten / SioxX®-Ten PLUS

Elkem ASA Silicon Products

Drammensveien 169 P.O. Box 334 Skøyen NO-0213 OSLO Tel: +47 22 45 01 00 www.elkem.com

Description

SioxX[®]- Ten and SioxX[®]- Ten PLUS are primarily designed for ultra low cement alumina based or microsilica-gel bonded no-cement castables..

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.

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.

Applications

Tailor-made product for microsilica-gel bonded mixes and castables.

Benefits

- Reproducible wet-out, flow and set-time
- · Improved green strength
- Easy to dose
- Easy to disperse in the dry and wet mix

Technical data

	SioxX [®] - Ten	SioxX®- Ten PLUS
Range of Working Temp (1)	800 - 1100°C	600 - 900°C
Appearance	Grey powder	
Bulk density	300 - 550 kg/m ³	
pH-value (10% solution)	8 – 10	
SiO ₂	50 - 65 %w/w	
Al ₂ O ₃	20 - 35 %w/w	
Proprietary additives	8 - 18 %w/w	
Recommended dosage	2 - 3 %w/w	

⁽¹⁾ Based on Tabular alumina recipe

Packaging

The product is available in 20 kg plastic bags, 600 kg per pallet. Please contact our sales representative for more details.

Storage and handling

- Avoid dust generation
- Store in original packaging (or re-seal opened packages) under dry conditions >0°C.
- Shelf-life (best before) is 24 months from the date of production, if stored properly and unopened in their original packaging.

Health, safety & environment

Please consult our Product Safety information on our website:

Silicon based materials | TDS/SDS Finder | Elkem.com

Sustainability

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 www.elkem.com/sustainability/ or contact us to learn more about our sustainability roadmap.

Additional information and contact

The latest versions of the product data sheet can be found on Elkem Website and in Elkem Refractory App. For further information, please contact our local sales representative. Our specialists will assist you in solving individual problems.

SioxX[®] is a registered trademark of Elkem ASA.

This product data sheet is property of Elkem ASA and may not without its written permission be used, copied or made available to others. The receiver is responsible for any misuse. © Copyright Elkem ASA