Product Data Sheet EMSAC® 500
Fibre cement applications

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Description

EMSAC® 500 is an aqueous suspension of ELKEM MICROSILICA®. It is a key ingredient in many construction materials. In use, it acts physically as a filler and chemically as a highly reactive pozzolan.

EMSAC® 500 is used in fibre cement applications as a process aid, to improve ingredient dispersion and to improve hardened properties and overall durability.

Chemical & physical data

Property	Unit	Typical value
SiO_2	%	Minimum 85.0
pH		4.0 – 7.0
Specific surface area	m^2/g	15.0 – 35.0
Dry mass	%	50.0
Dry mass (% from declared)	%	Maximum 2.0

Typical values for guidance only.

Packaging

The product is available in 25 litre, 200 litre and $1m^3$ containers, also bulk road tankers. Please contact our representative for more details.

Storage and handling

EMSAC® 500 is a stable product. However, to prevent the natural process of segregation, the product should be regularly agitated to remain homogeneous. EMSAC® 500 should not be allowed to freeze as this renders the product unfit for use.

Health, safety & environment

Refer to Product Safety Information (PSI) document on our website: www.elkem.com

Quality assurance

Elkem Silicon Products management system for development, processing and supply of EMSAC® is certified to ISO 9001:2015. The chemical and physical properties of EMSAC® 500 are regularly tested.

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 reducing embodied carbon emissions. For further information, please visit www.elkem.com/sustainability/ or contact us to learn more about our sustainability roadmap.

Additional Information and contact

See additional Elkem data sheets and technical papers on our website: www.elkem.com
All data listed are reference values subject to production related tolerances. Although reasonable care has been taken in the preparation of the information contained herein, it still remains the duty of the user to prove the suitability of this material for their application.