

Product data sheet

Elkem Microsilica® 920 EN

Concrete applications

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Description Elkem Microsilica® 920 EN is a dry silica fume powder certified to EN 13263 'Silica fume for concrete'. In use, Elkem Microsilica® 920 EN improves the performance of concrete and mortar formulations.

It acts physically to optimise particle packing of the concrete or mortar mixture and chemically as a highly reactive pozzolan.

Elkem Microsilica® 920 EN is available in two forms: Undensified (920 EN U), with a typical bulk density of 200 to 350 kg/m³ and Densified (920 EN D), with a typical bulk density of 500 to 700 kg/m³.

Applications Batch the product into the concrete mixer and mix thoroughly ensuring full dispersion. Dosage varies depending on application. Contact Elkem for information and advice.

Chemical & physical data

Property	Unit	Value
SiO ₂	%	Minimum 85.0
SO ₃	%	Maximum 2.0
Cl	%	Maximum 0.3
Free CaO	%	Maximum 1.0
Free Si	%	Maximum 0.4
Loss on ignition	%	Maximum 4.0
Specific surface area	m ² /g	Minimum 15.0 and Maximum 35.0
Pozzolanic activity index	%	Minimum 100

For typical analysis of minor elements, please contact our Elkem representative.

Packaging The product is available in 25 kg bags, various other size bags and bulk road tanker. Please contact our representative for more details.

Storage and handling Elkem Microsilica® 920 EN should be stored in dry conditions and not exposed to moisture.

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 Elkem Microsilica® is certified to ISO 9001:2015. The chemical and physical properties of Elkem Microsilica® 920 EN are regularly tested in accordance with EN 13263.

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.