

# Product Data Sheet

## ELKEM MICROSILICA® 920

### Concrete applications

**Elkem ASA Silicon Products**  
 Drammensveien 169 P.O. Box 334  
 Skøyen NO-0213 OSLO  
 Fax: +47 22 45 01 11  
[www.elkem.com](http://www.elkem.com)

**Description** ELKEM MICROSILICA® 920 is a dry silica fume powder. In use, ELKEM MICROSILICA® 920 improves the properties and performance of high performance concrete and specialized mortar formulations.

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

ELKEM MICROSILICA® 920 is available in two forms: Undensified (U) with a typical bulk density of 200 to 350 kg/m<sup>3</sup> and Densified (D) with a typical bulk density of 500 to 700 kg/m<sup>3</sup>.

**Chemical & physical data**

Property	Unit	Value
SiO <sub>2</sub>	%	Minimum 85.0
H <sub>2</sub> O (when packed)	%	Maximum 3.0
Retained on 45µm	%	Maximum 10.0
Specific surface area	m <sup>2</sup> /g	Minimum 15.0 and Maximum 35.0
Bulk density U	kg/m <sup>3</sup>	200 - 350
Bulk density D	kg/m <sup>3</sup>	500 - 700

*Test methods are available on request. 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 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](http://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 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/](http://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](http://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.