

# Product data sheet

## Elkem Microsilica® 920 ASTM

### Concrete applications

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**Description** Elkem Microsilica® 920 ASTM is a dry silica fume powder certified to ASTM C1240 'Standard Specification for Silica Fume Used in Cementitious Mixtures'. In use, Elkem Microsilica® 920 ASTM 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 ASTM 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>.

**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 <sub>2</sub>	%	Minimum 85.0
H <sub>2</sub> O	%	Maximum 3.0
Retained on 45µm sieve	%	Maximum 10.0
+ 45µm variation from average	%	Maximum 5.0
Loss on ignition	%	Maximum 6.0
Specific surface area	m <sup>2</sup> /g	Minimum 15.0
Pozzolanic activity index	%	Minimum 105

*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 ASTM 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 Product management system for development, processing and supply of Elkem Microsilica® is certified to ISO 9001:2015. The properties of Elkem Microsilica® 920 ASTM are regularly tested in accordance with ASTM C1240.

**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.