

# Product data sheet

## Elkem Microsilica® 920

### Gypsum board applications

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**Description** Elkem Microsilica® 920 is a dry silica fume powder. It is a key ingredient in many construction materials. In use, it acts physically as a filler and chemically as a highly reactive pozzolan.

Elkem Microsilica® 920 is used in gypsum board applications to improve fire performance. It delays board shrinkage and retains board core strength under fire conditions, which improves the overall durability properties of the boards.

Elkem Microsilica® 920 is available in two forms: Undensified (U) and Densified (D).

#### Chemical & physical data

Property	Unit	Typical value
SiO <sub>2</sub>	%	Minimum 85.0
H <sub>2</sub> O (when packed)	%	Maximum 3.0
Specific surface area	m <sup>2</sup> /g	15.0 – 35.0*
Bulk Density U	kg/m <sup>3</sup>	200 - 350
Bulk Density D	kg/m <sup>3</sup>	500 - 700

*Test methods available on request. Typical values for guidance only.*

*\*Tested on undensified.*

**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 kept in dry storage. Products that have been subjected to moisture and allowed to dry again may result in inferior performance.

**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 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.