

Product data sheet

Elkem Microsilica® 940

Gypsum board applications

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Description Elkem Microsilica® 940 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® 940 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® 940 is available in two forms: Undensified (U) and Densified (D).

Chemical & physical data

Property	Unit	Typical value
SiO ₂	%	Minimum 90.0
H ₂ O (when packed)	%	Maximum 1.0
Retained on 45µm sieve	%	Maximum 1.5
Bulk Density U	kg/m ³	200 - 350
Bulk Density D	kg/m ³	500 - 700

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

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® 940 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

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® 940 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.