

Microwhite®

Concrete applications – Product data sheet

1. Description

Microwhite® is a high purity silica fume.

High quality, consistent properties and lightness of colour are the special characteristics of Microwhite®.

With a colour reflection value typically more than 75%, Microwhite® is whiter and has increased consistency batch-to-batch than many alternative grades of silica fume.

2. Application

Suitable for all high performance concrete applications where the benefits of silica fume are required:

- Higher compressive strength
- Increased durability - Longer service life
- Better rheology - Control segregation & bleed

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

3. Storage & handling

Microwhite® should be stored in dry conditions and not exposed to moisture.

4. Quality assurance

Elkem Silicon Materials' management system for development, processing & supply of Microwhite® is certified to ISO 9001. Microwhite® is certified to relevant international standard for use in concrete. Certification documents available on request.

elkem.com

5. Chemical & physical properties

The properties of Microwhite® are regularly tested.

Property	Unit	Value
SiO ₂	%	Minimum 96.0
Colour (Reflection)	%	Minimum 75.0
H ₂ O	%	Maximum 1.0*
Loss on ignition	%	Maximum 3.0
Specific surface area	m ² /g	Minimum 15.0
Bulk density	kg/m ³	150 - 450*

*When packed.

6. Packing

The product is supplied as an undensified dry powder and is available in a range of packaging options, including small bags & big bags. Contact our representative for details.

7. Health, safety & environment

Refer to Product Safety Information (PSI) document on Elkem website: elkem.com

8. Additional information

See additional Elkem data sheets and technical papers on our website: 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.

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