



## TECHNICAL DATA SHEET

# Flexisil™ R40

### Technical Overview

Flexisil R40 is an alkaline, aqueous nanoparticle dispersion of amorphous colloidal silica. This dispersion is sodium stabilized and the silica particles have a negative surface charge. The silica particles are discrete and have a slightly rough, spherical shape.

### Applications

- Inorganic Binder
- Refractory
- Vacuum-formed refractory shapes
- Anti-skid
- Concrete uses
- Industrial
- Precision investment casting (PIC)

### Typical Properties

PROPERTY	VALUE
Appearance	Hazy to white liquid, aqueous colloidal dispersion
Wt. % SiO <sub>2</sub>	39.0 - 41.0
Surface Area (m <sup>2</sup> /g)	180 - 220
pH (@20°C)	9.5 - 10.0
Storage	Perishable if frozen
Shelf Life	12 months from date of manufacture

### Packaging and Handling

Refer to the Safety Data Sheet (SDS) for information on the safe use, handling, and disposal of this product. Keep container tightly sealed. Store above 5°C (41°F) and below 35°C (95°F).

Available in Bulk and IBC.

DOT Classification: Not regulated.

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