



## TECHNICAL DATA SHEET

# Flexisil™ R40-W

### Technical Overview

Flexisil R40-W 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. Flexisil R40-W also contains ethylene glycol to assist with stability in cold temperatures.

### Applications

- Inorganic Binder
- Refractory
- Foundry
- Other applications

### Typical Properties

| PROPERTY                         | VALUE  |
|----------------------------------|--|
| Appearance                       | Hazy to white liquid,<br>aqueous colloidal<br>dispersion |
| Wt. % SiO <sub>2</sub>           | 35.5 - 40.7  |
| Surface Area (m <sup>2</sup> /g) | 180 - 220  |
| pH (@20°C)                       | 9.6 - 10.2   |
| Storage                          | Perishable if frozen                                     |
| Shelf Life                       | 12 months from date<br>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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