



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
- Concrete uses
- Industrial

Typical Properties

PROPERTY	VALUE
Appearance	Hazy to white liquid, aqueous colloidal dispersion
Wt. % SiO ₂	35.5 - 40.7
Surface Area (m ² /g)	180 - 220
pH (@20°C)	9.6 - 10.2
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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