

## Product Data Sheet

# Levasil FO1440

Levasil FO1440 is an alkaline, aqueous dispersion of colloidal silica that is approximately 40% solids by weight. The silica dispersion is sodium stabilized and the amorphous silica particles carry a negative surface charge. The SiO<sub>2</sub> particles are discrete, have a slightly rough, spherical shape, and are present in a narrow particle size distribution. The physical appearance of the dispersion is a translucent liquid, slightly more viscous than water. Levasil FO1440 is produced for world-wide distribution.

### Typical Properties

Silica, wt%:	40
Specific surface area, m <sup>2</sup> /g:	250
pH:	10.4
Viscosity, cP:	19
Density, g/cm <sup>3</sup> :	1.3
Na <sub>2</sub> O, wt%:	0.5

### Range of Applications

Levasil FO1440 is an excellent binder with very high binding power for a broad variety of inorganic materials as refractories.

### Storage, Handling, & Transport

Levasil FO1440 should be transported and stored at a temperature of 5-35°C (40-95°F). If the silica dispersion is allowed to freeze, the silica will irreversibly precipitate. For bulk storage, the tank should be sealed and constructed of plastic, fiberglass reinforced plastic, or stainless steel. For packaged goods, any translucent packages should be stored out of direct sunlight or bright light. Under recommended conditions, Levasil FO1440 has a shelf life of at least twelve months after production.

Levasil FO1440 is available in bulk and packaged quantities. Bulk shipping and packaging sizes can vary by region.

Before handling this material, review the corresponding Material Safety Data Sheet.

### Contact Information

For more product information or enquiries, please visit our website:

[www.akzonobel.com/colloidalsilica](http://www.akzonobel.com/colloidalsilica)

Or write an email to:

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