

# TECHNICAL DATA SHEET

## GEO40™ SOL-1430Na

Geo40™ SOL-1430Na is a sustainable geothermal water derived colloidal silica stabilized with sodium. An alkaline dispersion of 13.5 nm colloidal silica at 30 % SiO<sub>2</sub> concentration in water. The particles are negatively charged and have a high specific surface area.

The product can be used in a wide variety of applications such as metals and refractories, paper and textiles treatment, coatings and inks, or other applications where a small particle size colloidal silica is required.

### PROPERTIES

Tests	Range	Units
Particle size	12.5 to 14.5	nm
Silica (as SiO <sub>2</sub> )	29.0 to 31.0	w / w%
pH	8.8 to 9.8	pH
Density	1.193 to 1.209	kg / L
Conductivity	1.0 to 4.0	mS / cm
Surface area	188 to 218	m <sup>2</sup> / g
Free Alkalinity (as Na <sub>2</sub> O)	0.1 to 0.4	w / w%
Viscosity	Less than 12.0	cP
Accelerated Life Test	Pass	80 °C / 7 days
Visual Appearance	Clear to Opaque	
Warranty Period	12	months

### TO ORDER MATERIAL, OR FIND OUT MORE

Please contact: [SALES@GEO40.COM](mailto:SALES@GEO40.COM)

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