CeraSol 1440 is the most commonly used colloidal silica for bonding refractory fibers and rigidizing refractory fiber shapes and boards.

CeraSol 1440 is an economical 40% concentration silica sol of 14 nanometer diameter amorphous silica spheres.

Good High Temperature Bonds - Colloidal silica bonds withstand temperatures up to 2300°F with low shrinkage.

Saves Money - Economical 40% concentration reduces freight and package costs over lower concentration sols.

Flocs with Cationic Starch - Negative surface charge flocs cationic starch refractory fibers together to form a three dimensional floc for good product strength.

Rigidizes Effectively - Can be used diluted or full strength for sealing or rigidizing of fiber-bonded shapes

### Rigidizer (Colloidal Silica)

- **Color:** Clear
- **Consistency:** Slightly viscous liquid
- **Consistency:** 1.3
- **Particle Size, nm:** average
- **Silica, wt%:** 40
- **Na₂O, wt%:** 0.50
- **pH @ 25°C:** 10.4
- **Viscosity @ 25°C, cp:** 15
- **Toxicity:** Non-toxic. See SDS.
- **Packaging:** 55 gal drums; 5 gallon; 1 gallon; 1 pint