

Sod_{AR}Sil: Sodium Silicate Solutions

1. PRODUCT DESCRIPTION

Arcillas Refractarias, S. A. (ARCIRESA) manufactures a wide range of sodium silicate solutions under the trademark **Sod_{AR}Sil**.

2. FIELDS OF APPLICATION

- **Soaps and detergents:** surfactants, corrosion inhibitors and water softeners
- **Water treatment:** corrosion inhibition, precipitation of metals in solution
- **Paper and pulp:** recycled paper de-inking and pulp bleaching
- **Foundry:** adhesive/binder, agent in the manufacture of sand moulds
- **Ceramics:** deflocculants of aqueous clay suspensions
- **Refractory:** binder agent
- **Mining:** deflocculation coadjuvants
- **Construction:** setting agent for sprayed concrete
- **Soil consolidation**
- **Others:** adhesives, textiles, etc.

3. TECHNICAL DATA

Product	Ratio (w/w) SiO ₂ /Na ₂ O	% Na ₂ O	% SiO ₂	% Solids	Density at 20 °C °Bé g/cm ³		Viscosity at 20 °C (cP)
Sod _{AR} Sil L3.25	3,25	8,0% - 8,5%	26,0% - 27,6%	34,0% - 36,0%	37 - 39	1,34 - 1,37	80 - 100
Sod _{AR} Sil L3.0	3,0	8,5% - 9,0%	26,0% - 27,0%	34,5% - 36,0%	39 - 40	1,37 - 1,38	80 - 100
Sod _{AR} Sil L2.35	2,3 - 2,4	12,7% - 13,9%	30,3% - 32,1%	43,0% - 46%	48 - 51	1,49 - 1,54	750
Sod _{AR} Sil L2.0-LD	2,0	13,0% - 13,7%	26,0% - 27,3%	39,0% - 41,0%	45 - 47	1,45 - 1,48	100
Sod _{AR} Sil L2.0-HD	2,0	16,2% - 16,5%	32,3% - 33,0%	48,5% - 49,5%	54,5 - 55,5	1,60 - 1,62	9000
Sod _{AR} Sil L1.6	1,6	16,9% - 17,3%	27,0% - 27,7	44,0% - 45,0%	52 - 53	1,56 - 1,58	600

4. PACKAGING

Sodium silicate solutions **Sod_{AR}Sil** are supplied in bulk, tanks and 1,000 liters IBCs.