

# ARSOSIL: Sodium Silicate Solutions

## 1. PRODUCT DESCRIPTION

Arcillas Refractarias, S. A. (ARCIRESA) manufactures a wide range of sodium silicate solutions under the trademark **ARSOSIL**.

## 2. FIELDS OF APPLICATIONS

- **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 <sub>2</sub> /Na <sub>2</sub> O	% Na <sub>2</sub> O	% SiO <sub>2</sub>	% Solids	Density at 20 °C		Viscosity at 20 °C (cP)
					°Bé	g/cm <sup>3</sup>	
<b>ARSOSIL L3.25</b>	3,20 – 3,40	7,7 - 8,6%	25,9 - 27,8%	34 - 36%	37 - 39	1,34 – 1,37	Máx. 100
<b>ARSOSIL L3.0</b>	2,95 – 3,05	8,8 – 9,3%	26,3 - 27,8%	35 - 37%	39 - 41	1,37 – 1,39	Máx. 100
<b>ARSOSIL L2.35</b>	2,30 – 2,40	13,0 - 13,5%	31,3 - 32,5%	44 - 46%	48 - 50	1,49 – 1,53	Máx. 1.000
<b>ARSOSIL L2.0-LD</b>	1,85 – 2,20	12,2 – 14,4%	25,3 – 28,2%	39 - 41%	45 - 47	1,45 – 1,48	Máx. 400
<b>ARSOSIL L2.0-HD</b>	1,85 – 2,20	13,8 – 16,5%	28,6 – 32,3%	44 – 47%	51 - 53	1,54 – 1,57	Máx. 7000
<b>ARSOSIL L1.6</b>	1,55 – 1,65	17,0 - 17,5%	27,0 – 28,0%	44 - 45%	52 - 53	1,56 – 1,58	Máx. 600

## 4. PACKAGING

Sodium silicate solutions **ARSOSIL** are supplied in bulk, tanks and 1,000 liters IBCs.

### ARCIRESA Factory:

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Version:

Date: