

Sikalon[®] A

Sodium Disilicate Powder

Chemical description

Sikalon A is a spray-dried, free-flowing and readily soluble sodium disilicate.

Specification (average values)

Na ₂ O:	approx. 27,5 %	001 *)
SiO ₂ :	approx. 56,0 %	001 *)
Weight ratio: (SiO ₂ :Na ₂ O)	approx. 2,0	calculated
Molar ratio: (SiO ₂ :Na ₂ O)	approx. 2,1	calculated
H ₂ O: (Loss on drying)	approx. 16 %	007 *)
Insolubles:	approx. 1 %	
pH value (10% aqueous solution)::	approx. 12,0	008 *)
Apparent density, uncompacted	approx. 100 g/l	059 *)
Rate of dissolving (1% solution at 20° C)	> 60 % after 1 minute	
Screen analysis	Particle size distribution	
	> 0,5 mm	< 5 %
	< 0,063 mm	< 3 %

*) Internal method code – description available on request

Properties

- Free-flowing.
- Outstanding capacity for absorbing the liquid components in formulations for detergents and cleaners.
- High antiredeposition capacity.
- Acts as corrosion inhibitor in detergents and cleaners.
- Excellent cold water solubility.
- Good adhesive properties in contact with humidity or on heating.

Application

Detergents and Cleaners

Sikalon A is an eminently suitable builder for detergents and cleaners. It is an excellent absorbent for the liquid components and can thus be used as a base in various spraying techniques.

In washing and cleaning processes it acts as an alkali with a high buffering capacity, as corrosion inhibitor and antiredeposition agent and as stabiliser for peroxide based bleaching agents.

Construction Chemicals

Sikalon A is a highly efficient setting accelerator for hydraulically setting coatings (e.g. cement based mortars, plasters etc.).

Ceramic Masses

Sikalon A can be applied as liquefier in ceramic masses.

Inorganic Binders

Sikalon A may be used preferably in combination with suited hardeners, for inorganic binding of powders, fibres etc.

Note

The solubility can be adversely affected by the absorption of carbon dioxide; and the free-flowing properties, by the absorption of moisture.

Storage

Sikalon A has a shelf life of at least six months when kept in tightly closed containers in a dry place.

Labelling / Safety

Please see safety data sheet

Packaging

10 kg PE bag

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