

# Technical Data Sheet

Calumex SC-A is an amorphous calcium aluminate. A highly reactive Portland cement additive. It is used as an additive to cement based materials, concretes and shotcretes, used to accelerate the set.

Fast to very fast-setting cements with increased density and reduced shrinkage can be formulated around it, depending on the applied dosage.

Early compressive, flexural and adhesive strengths, as well as durability of the cement matrix are improved. Between 10 and 30 % of the binder content should be replaced, depending on the desired effect. Standard retraders or plasticizers can be added to optimize the working time.

# CALUMEX<sup>®</sup> SC-A

## AMORPHOUS CALCIUM ALUMINATE

### Chemical analysis

SiO <sub>2</sub>	≤	3,0	%
Al <sub>2</sub> O <sub>3</sub>	:	20 - 25	%
Fe <sub>2</sub> O <sub>3</sub>	≤	1,0	%
CaO	:	40 - 45	%
SO <sub>3</sub>	≤	30	%
TiO <sub>2</sub>	≤	2	%
MgO	≤	1.0	%

Blaine	:	6000	cm <sup>2</sup> /g
Bulk density	:	~2,9 - 3,1	g/cm <sup>3</sup>

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