

# Technical Data Sheet

CALIGHT 40 is a calcium aluminate cement with a content of approximately 40%  $\text{Al}_2\text{O}_3$  produced in a furnace using a melting process based on bauxite and limestone.

The cement is not only used for its resistance to high temperatures, (refractory, barbeques and fireplaces) but also as binder for making industrial floors because of its abrasive and chemical resistance.

The cement is also suitable for working at low temperatures.

Mixing with Portlandcement gives a cement with a rapid set ideal for making quick repairs and as waterplug.

Past experience teaches us to be careful when using calcium aluminate cement in outdoor applications.

# CALIGHT 40

## CALCIUM ALUMINATE CEMENT

### Chemical analysis

$\text{SiO}_2$	:	5	~	6,5	%
$\text{Al}_2\text{O}_3$	:	38	~	40,5	%
$\text{Fe}_2\text{O}_3$	:	15	~	18	%
CaO	:	37	~	39,5	%

Blaine	:	~3500	$\text{cm}^2/\text{g}$
Bulk density	:	~2,97	$\text{g}/\text{cm}^3$

Compressive strength :	6 hours	:	35 - 45 Mpa
	24 hours	:	65 - 75 Mpa
	3 days	:	75 - 85 Mpa

The information given above is based on our current experiences and knowledge of the product. It gives no guarantee of the eventual result. The customer remains responsible for testing the product before use. Caltra Nederland BV can not be held responsible for possible damage caused by (incorrect) use of it's products.

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