

Technical Data Sheet

CALIGHT 70 is a calcium aluminate cement with a minimum content of 70% Al_2O_3 produced on a normal rotary kiln using pure bauxite and limestone.

The cement is not only used by the refractory industry, but because of its light colour and high reactivity, it finds more and more applications in the "building chemistry industry"

In this case it is most often used to accelerate the set of white Portlandcement by adding a certain percentage of CALIGHT 70. At the same time it increases the early strength.

The amount of free-lime produced when hydrating is negligible, giving it a better resistance to acids and sulphate attack.

To establish a certain amount of expansion, to eliminate or reduce shrinkage, an amount of alpha-hemihydrate or anhydrite can be added. Experience in the past teaches us to be careful when using calcium aluminate cement in outdoor applications.

CALIGHT 70

CALCIUM ALUMINATE CEMENT

Chemical analysis

SiO_2	:	0,1 ~ 0,3	%
Al_2O_3	:	70,5 ~ 72	%
Fe_2O_3	<	0,2	%
CaO	:	25 ~ 29,5	%

Blaine	:	4500~ 5000 cm^2/g
Bulk density	:	~ 3 g/cm^3

Compressive strength :	6 hours	:	30 - 40 Mpa
	24 hours	:	40 - 50 Mpa
	3 days	:	55 - 65 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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