

Pure Flash Calcined Alumina Cement Accelerator

AFX 100

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- Highly reactive
- Significantly accelerated setting times
- Low dosage (< 5%)
- Easily applied in formulations

AFX-100® is a pure flash calcined alumina (FCA), used as a set accelerator in Portlandcement-based applications. At relatively low dosages between 3,5 and 5%, depending on the formulation and the desired effect, setting times can be reduced from several hours to several minutes.

Contrary to the alternative AFX-50®, AFX-100® is purely aimed at the acceleration of setting times and will have little to no impact on other characteristics of the product.

AFX-100® can be applied at very low dosages, making it a lot easier to apply in existing formations than other alternatives such as special cements, which will often require a much higher dosage and the addition of other additives such as retarders.

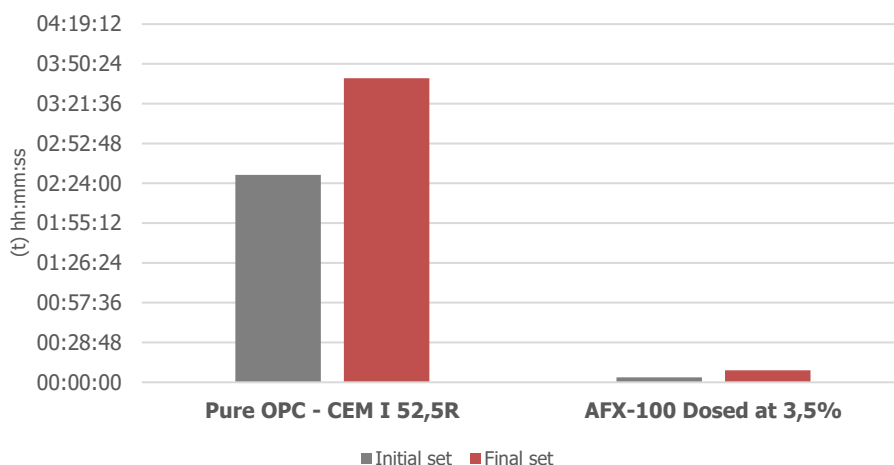
The graph below illustrates the the extreme effectiveness of AFX-100® on the setting times of a standard CEM I 52,5 cement.

Technical Data:

Al ₂ O ₃	≥ 93 %
SiO ₂	≤ 0,05 %
Fe ₂ O ₃	≤ 0,02 %
Na ₂ O ₃	≤ 0,4 %
D50	6,00 μ
BET	≥ 270 – 340 m ² /g

Setting times OPC CEM I 52,5

(with 3,5% bwt AFX-100® added)



	Pure OPC - CEM I 52,5R	AFX-100 Dosed at 3,5%
Initial set	02:30:00	00:03:30
Final set	03:40:00	00:08:40

(t)hh:mm:ss



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 B.V. cannot be held responsible for possible damage caused by (incorrect) use of its products. For additional information with regard to safe use, please consult the Material safety datasheet (SDS)