TECHNICAL DATASHEET

Flash Alumina Set Accelerator

For Cement Applications

- **Accelerated setting and drying times**
- **Increased early strengths**
- **Reduces shrinkage in cement**
- **Low dosage**
- **Easily applied in formulations**

AFX 50

Flash Calcined Alumina Cement Accelerator

AFX-50® is a set accelerator based on pure alumina, specifically designed for Portlandcement-based applications. At relatively low dosages between 3,5 and 7%, depending on the formulation and the desired effect, setting times can be reduced from several hours to less than half an hour.

Thanks to its unique formulation, not only will AFX-50® reduce setting and drying times, it will also provide a significant increase in early strength development.

As AFX-50® can be applied in relatively low dosages, it is 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.

Technical Data:

Al_2O_3	**≥ 47 %**
SiO_2	**≤ 0,03 %**
Fe_2O_3	**≤ 0,02 %**
Na_2O_3	**≤ 0,2 %**
D50	**7,25 µ**
BET	**≥ 240 – 300 m^2/g**

The graphs on the next page illustrate the impact AFX-50 on both setting times and strength development when added to a standard CEM I 52,5 cement.

CALTRA NEDERLAND BV

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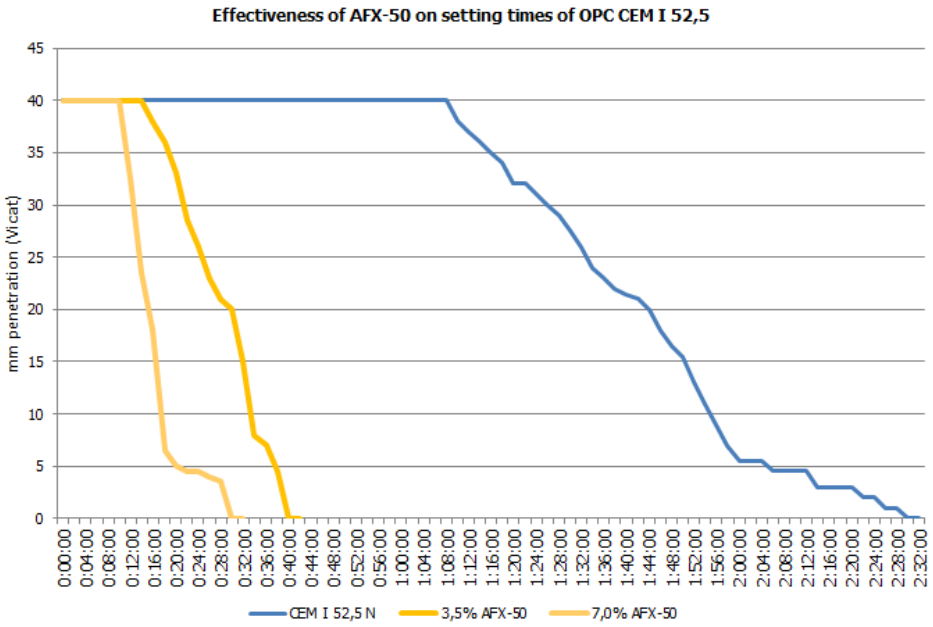

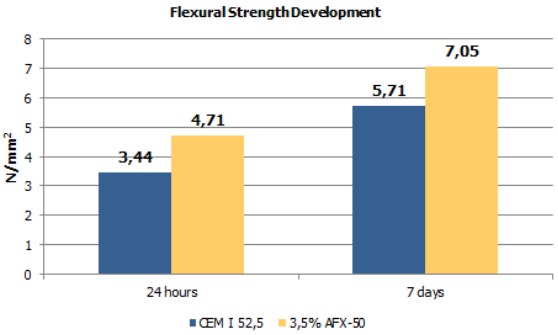

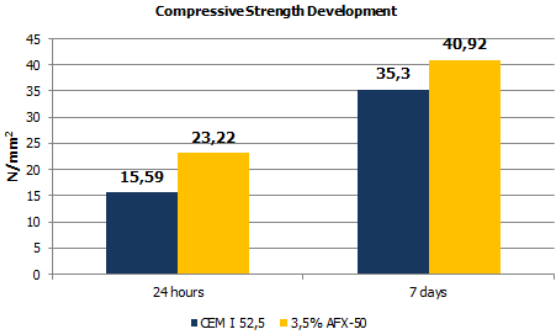

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