materials

Supplementary Materials: Fluorescence Microscopy of Superplasticizers in Cementitious Systems: Applications and Challenges

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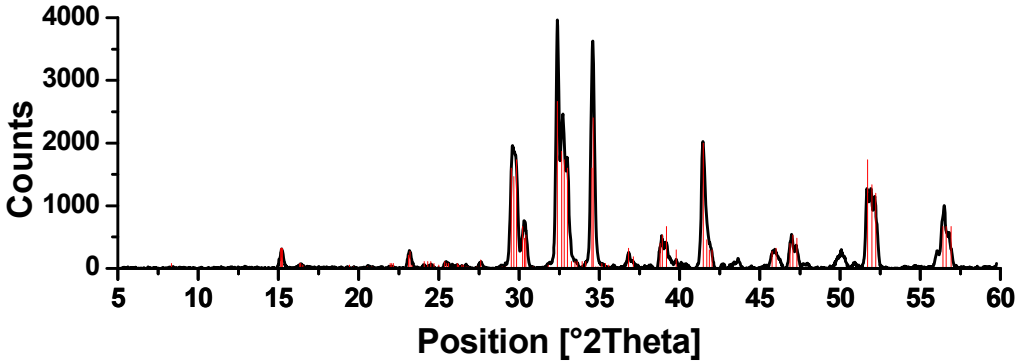

Figure S1. Diffractogramm of used C3S (black) with pattern (red) of C3S-reference PDF 31-301.

Table 1. Composition of synthetic pore solution [51].

Salt	[g/L]
$CaSO_4 \cdot 2\,H_2O$	1.72
Na_2SO_4	6.96
K_2SO_4	4.75
KOH	7.12

Table 2. Data of Figure 4.

Hydration peak in [h]	H_2O	Syn. PS	H_2O + SF	Syn. PS + SF
C_3S pure	12.5	9.0	11.0	7.5
PC2 0.5%	50.0	19.0	19.5	11.0
PC2 1.2%	93.5	24.0	44.5	15.0
PC6 0.5%	101.5	28.0	29.5	13.5
PC6 1.2%	>168.0	53.0	>168.0	26.0
Phos3 0.5%	33.5	23.5	17.5	11.0
Phos3 1.2%	81.5	48.5	35.5	20.5
APEG 0.5%	>168.0	>168.0	>168.0	53.5
APEG 1.2%	>168.0	>168.0	>168.0	>168.0