



## 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.

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

<b>Table 1.</b> Composition of synthetic pore solution	[51]	].
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	uv	IC.	<u>~</u> .	Dutu	or	115	uic	т,

Hydration peak in [h]	H <sub>2</sub> O	Syn. PS	H <sub>2</sub> O + SF	Syn. PS + SF
C₃S 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



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