

FLOSET™

Polycarboxylates

SNF FLOERGER

FLOTECH 28



FLOSET TS1

Self-Levelling Concrete (SLC) Formulation

Case Study : substitution of Superplasticizer A*

CONCRETE CHARACTERISTICS

Requested Specifications

Goal : Search a PCP alternative sourcing in Superplasticizer A-containing SLC formulation.

Requirements

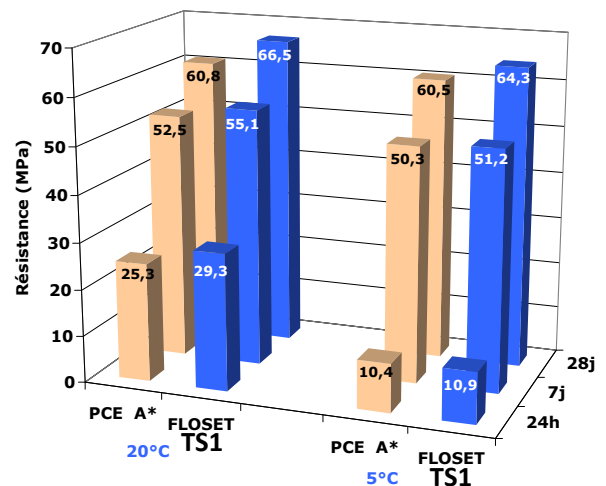
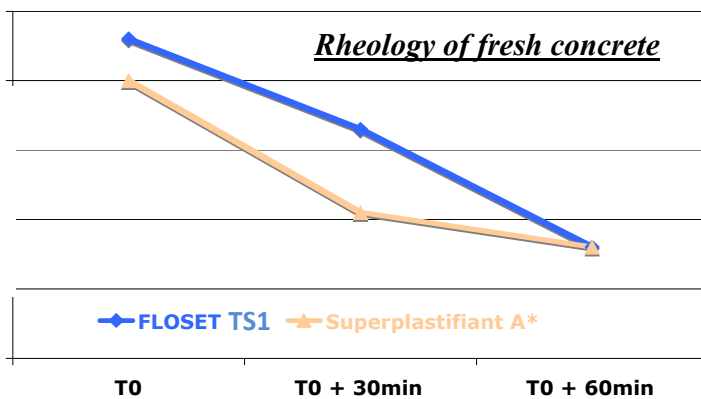
- Equivalent fluidity over 60 min
- Equivalent Mechanical Resistance (+5 / +20°C)
(cylinder compression strengths at 24h, 7 and 28days)

Theoretical composition per m³ :

Compounds	kg/m ³	kg/m ³
Granules 0/8 - 8/16	1437 - 273	1437 - 273
Fly Ash	64	64
CEM II/A-LL 52,5R	354	354
Total Water	171	170
Superplasticizer A*(¹)	0,84	-
FLOSET TS1(¹)	-	0,82
TOTAL	2300	2299

(1) 20% active solution

EVALUATION of CONCRETE RHEOLOGY and MECHANICAL RESISTANCES (NF EN 12390-3)



CONCLUSIONS

FLOSET TS1 technically approved as Superplasticizer A equivalent.

FLOSET TS1 dosage could even be lowered if needed.

* Superplasticizer A : Recognized reference on SCC/SLC market.

Toutes ces informations sont données à titre documentaire. Elles ne constituent en rien une spécification et ne garantissent ni l'utilisation ni la dépendance de brevets existants. The information presented in this technical bulletin is given in good faith and is true and accurate to the best of our knowledge. No warranty or guarantee is expressed or implied regarding the accuracy of such data. It is the user's responsibility to determine the suitability for his own use of the information presented. No warranty or freedom is given regarding industrial property rights of SNF or third parties.

FLOTECH 28, updated 25 March 2009.

SNF sas, ZAC de Milieux, 42163 Andrézieux Cedex, FRANCE
Tél: +33 (0)4 77 36 86 00, Fax: +33 (0)4 77 36 86 96, email: info@snf.fr

