

TECHNICAL DATA SHEET


Cement Type/Class: **OWC API Class G HSR** Standard of Reference: **API Spec. 10A**
 Factory: **Siniscola**

CHEMICAL PROPERTIES

Determination:	U.M.	Mean value	Specification API Spec 10A
MgO	(%)	1,4	≤ 6,0
SO ₃	(%)	2,7	≤ 3,0
Loss on ignition	(%)	1,1	≤ 3,0
Insoluble residue	(%)	0,25	≤ 0,75
Tricalcium silicate (C ₃ S)	(%)	55,3	≥ 48 / ≤ 65
Tricalcium aluminate (C ₃ A)	(%)	0,8	≤ 3
Since TM is >0,64 (C ₄ AF + 2 x C ₃ A)	(%)	17,9	≤ 24
Na ₂ O equivalent	(%)	0,71	≤ 0,75

PHYSICAL PROPERTIES

Specific Surface Area (Blaine)	(m ² /kg)	-	-
Absolute grain density (44% BOWC mix water, neat)	(g/cm ³)	3,19	-
Slurry density	(kg/l)	1,91	-
Free Fluid	(%)	3,2	≤ 5,9
Compressive strength 8h/38° C	(psi)	540	≥ 300
Compressive strength 8h/60° C	(psi)	2230	≥ 1500
Thickening Time (TT), neat API sch.5 * (Depyh: 8.000ft, BHCT: 52° c)			
Consistency after 30 min	Bc	19	≤ 30
Time to 30 Bc	min	80	≥ 30
Thickening Time (Time to 100 Bc)	min	112	≥ 90 / ≤ 120

Emission	Date	Doc. n.	Approval
DQ/AT	01/05/2021	STPEX77SINOWC rev01	

Note:

Average results of conformity testing in accordance with * API Spec 10A, 25th Ed. (2019)

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