



Société Nouvelle du Littoral  
Siège Social & Usine

تجهيزات بتن خاورميانه

MECONACC

Middle East Concrete Accessories



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## Reference Materials RM



### 1 - PARTICIPATION AND ACHIEVEMENT OF TESTS

Inter laboratory testing campaigns, organized by the ATILH or SNL, allowed the preparation of reference materials. European laboratories of cement Industry, users of cement, Research and control Centres in the field of construction materials, have participated in these campaigns. The analysed materials are of powder type, cement and alumina. The physical and chemical properties measured are :

- Fineness and particle size measured with laser
- Chemical composition



S.N.L. fondée en 1910 – SAS capital 250 000 € - NIF FR 93 976 750 257 – SIRET 976 750 257 00025 APE 0812Z  
Certifiée pour la PREPARATION DU SABLE NORMALISE CEN POUR LA DETERMINATION DES RESISTANCES MECANQUES DES CEMENTS



N°46-/02/13An

## 2 - DATA ANALYSIS

Outliers are eliminated via the STUDENT's test with a confidence level of 98 %. A reiteration is set at this threshold in order to keep only those values which are related to the "Normal or Gaussian" distribution. the latter being entirely defined by 2 parameters: mean and standard deviation.

## 3- REFERENCE MATERIAL LIST

Reference materials (RM), currently provided by the SNL, are listed in the table below. You can access to each RM data sheet by clicking on its RM code :

Reference Matériaux (RM) - Société Nouvelle du Littoral												
RM code	Description	Certified values										
		Chemical properties (%)										
		LoI	SiO2	Al2O3	Fe2O3	CaO	MgO	SO3	Na2O	K2O	Cl-	S2-
	Cement											
SN1Ca	portland	1.39	20.18	5.32	2.03	65.72	1.15	3.07	0.18	0.28		
SN200Ca	fly ashes portland	3.30	26.55	8.72	4.07	49.97	2.06	2.84	0.21	1.10		
SN201Ca	blast furnace	1.80	25.63	6.81	2.08	54.48	3.35	3.16	0.33	0.73	0.06	0.31
SN202Ca	composite	1.40	29.61	10.14	3.27	45.12	4.46	3.17	0.33	1.05	0.01	0.20
SN203Ca	composite	7.24	18.85	4.93	2.31	56.96	4.78	3.09	0.26	0.92	1,00	0,20
SN2Ca	portland	1.31	20.01	4.89	3.42	64.51	1.34	3.00	0.10	0.77		
Reference Matériaux (RM) - Société Nouvelle du Littoral												
RM code	Description	Certified values										
		Physical properties										
		density (g/cm <sup>3</sup> )	SSBlaine (cm <sup>2</sup> /g)	2 μm	4 μm	6.3 μm	8 μm	12.5 μm	16 μm	31.5 μm	63 μm	80 μm
	Cement											
SN1BGa	portland	3.11	3396	11.4	20.1	26.9	31.0	40.4	46.4	68.6	92.0	96.0
SN200BGa	fly ashes portland	2.94	3281	9.2	17.3	25.1	30.2	41.0	47.9	71.4	93.4	97.1
SN201Ba	blast furnace	3.03	4231									
SN202Ba	composite	2.94	4135									
SN203BGa	composite	3.05	4329	13.5	23.6	32.1	37.2	48.7	55.9	78.6	96.2	98.4
SN2BGa	portland	3.15	4206	13.4	24.1	32.7	38.1	51.2	58.9	83.0	97.9	99.1
	Alumina											
A A	alumina	3.95	2300	6.0	6.3		7.1		77.6			
A B	alumina	3.79	10300	46.5	82.0		93.6		99.0			

## 4- CERTIFICATES OF ANALYSES

You can access to the analyse certificates of those RM through our website: [www.Pozzolind.com.au](http://www.Pozzolind.com.au)

Products.catalogs- Hydraulic binders – Reference Materials RM