PRODUCT NOT CONFORMED	PYROFLOW-50

CLASIFICATION **ISO 1927-1**	Self flowing dense refractory LCC concrete of hydraulic hardening. Base chamotte. Application by casting and compaction with rod. Class 1450ºC

REFERENCE	937931	0417	401.RT	**GROUP**	**FAMILY**	STANDARD
				NC	65	

AVERAGE CHEMICAL ANALYSIS (Obs "A")

Al2O3	49,7	%
SiO2	41,6	%
Fe2O3	1,3	%
Ti2O	1,5	%
CaO	2,0	%

PHYSICAL PROPERTIES

Classification temperature		1450	°C	ISO 1927-1
Bulk density	**Dry 110°C**	2,37	Kg./dm3	ISO 1927-6
Open Porosity	**Dry 110°C**	18,00	%	ISO 1927-6
Compressive strenght	**Dry 110°C**	470	Kg./cm2	ISO 1927-6
	Stew 800°C	635	Kg./cm2	ISO 1927-6
	Stew 1200°C	790	Kg./cm2	ISO 1927-6
Reversible linear expansion	**1000°C**	0,60	%	
Permanent Linear Variation	**1400°C**	- 0,15	%	ISO 1927-6
Thermal conductivity to average temperature	**400°C**	1,40	W/m.K	ISO 1927-8
	800°C	1,50	W/m.K	ISO 1927-8
	1200°C	1,85	W/m.K	ISO 1927-8
Trabajabilidad		160,0	%	ISO 1927-3
Kneaded water of		7,5	%	ISO 1927-4
Size of the grain		5,0	mm.	

OBSERVATIONS

Good flow and good dimensional stability
Use forced mixer.
Setting time: 24-36 hours.
Storage limit 8 months in dry warehouse.

"A" alternative Method = Spectrometry by FRX

The technical characteristics represent the obtained average values according to methods of tests recognized on standardized materials; they are put under the normal variations of manufacture and they do not have to be taken like specifications. The data of density and compressive strenght will not be valid for manual productions.

EQUIVALENCES

1 N/mm2 = 1 MPa = 10,2 kg/cm2
1 kg/cm2 = 0,098 MPa = 0,098 N/mm2
1 W/mK = 0,86 kcal/mhK
1 Kcal/mK = 1,16 W/mK