PRODUCT NOT CONFORMED	PYROFORM TIX-900/FP-T

CLASIFICATION **ISO 1927-1**	Dense hydraulic LCC refractory concrete. Base silicon carbide. Aplication by casting and compaction by vibration. Class 1600ºC

REFERENCE	935997	0119	1147.RT	**GROUP**	**FAMILY**	STANDARD
				NC	13	

AVERAGE CHEMICAL ANALYSIS (Obs "A")

Al2O3	8,0	%
SiO2	10,0	%
Fe2O3	0,1	%
Sic	80,0	%

PHYSICAL PROPERTIES

Classification temperature			1600	°C	ISO 1927-1
Bulk density	**Dry 110°C**		2,60	Kg./dm3	ISO 1927-6
Open Porosity	**Dry 110°C**		20,00	%	ISO 1927-6
	Stew 800°C		17,00	%	ISO 1927-6
Compressive strenght	**Dry 110°C**	>	1200	Kg./cm2	ISO 1927-6
	Stew 800°C	>	1200	Kg./cm2	ISO 1927-6
	Stew 1200°C	>	1200	Kg./cm2	ISO 1927-6
Subsidence under	**T2**		1550	°C	ISO 1927-6
Reversible linear expansion	**1000°C**		0,60	%	
Permanent Linear Variation	**1200°C**		0,04	%	ISO 1927-6
Thermal conductivity to average temperature	**400°C**		8,60	W/m.K	ISO 1927-8
	800°C		8,23	W/m.K	ISO 1927-8
	1200°C		8,07	W/m.K	ISO 1927-8
Kneaded water of			6,0	%	ISO 1927-4

OBSERVATIONS

Thixotropic refractory concrete of very high content in silicon carbide.
Very resistant to alcalis. Attention to the oxidating atmosphere.
To knead in forced kneader. To vibrate well.
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