

**PRODUCT NOT CONFORMED****PYROFLOW-85**

<b>CLASIFICATION ISO 1927-1</b>	Self flowing dense refractory LCC concrete of hydraulic hardening. Base bauxite. Application by casting and compaction with rod. Class 1500°C
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REFERENCE	937934	0417	403.RT	GROUP	FAMILY	STANDARD
				NC	65	

**AVERAGE CHEMICAL ANALYSIS (Obs "A")**

<b>Al<sub>2</sub>O<sub>3</sub></b>	82,0	%
<b>SiO<sub>2</sub></b>	8,4	%
<b>Fe<sub>2</sub>O<sub>3</sub></b>	1,2	%
<b>Ti<sub>2</sub>O</b>	2,5	%
<b>CaO</b>	0,5	%

**PHYSICAL PROPERTIES**

<b>Classification temperature</b>		1580	°C	ISO 1927-1
<b>Bulk density</b>	<b>Dry 110°C</b>	2,73	Kg./dm <sup>3</sup>	ISO 1927-6
<b>Open Porosity</b>	<b>Dry 110°C</b>	17,00	%	ISO 1927-6
<b>Compressive strenght</b>	<b>Dry 110°C</b>	450	Kg./cm <sup>2</sup>	ISO 1927-6
	<b>Stew 800°C</b>	620	Kg./cm <sup>2</sup>	ISO 1927-6
	<b>Stew 1200°C</b>	875	Kg./cm <sup>2</sup>	ISO 1927-6
<b>Thermal conductivity to average temperature</b>	<b>400°C</b>	1,86	W/m.K	ISO 1927-8
	<b>800°C</b>	1,97	W/m.K	ISO 1927-8
	<b>1200°C</b>	2,20	W/m.K	ISO 1927-8
<b>Kneaded water of</b>		9,0	%	ISO 1927-4

**OBSERVATIONS**

Self casting refractory concrete of high benefits.  
Good behavior in reducing atmosphere.  
Uncasting to the 24 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/mm<sup>2</sup> = 1 MPa = 10,2 kg/cm<sup>2</sup>  
1 kg/cm<sup>2</sup> = 0,098 MPa = 0,098 N/mm<sup>2</sup>  
1 W/mK = 0,86 kcal/mhK  
1 Kcal/mK = 1,16 W/mK