

**PRODUCT NOT CONFORMED****PYROFLOW-95-AT**

<b>CLASSIFICATION ISO 1927-1</b>	Self flowing dense hydraulic refractory LCC concrete. Base tabular alumina. Application by casting and compaction with rod. Class 1750°C
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REFERENCE	937957	0119	1139.RT	GROUP	FAMILY	STANDARD
				NC	65	

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

<b>Al<sub>2</sub>O<sub>3</sub></b>	96,0	%
<b>SiO<sub>2</sub></b>	2,0	%
<b>Fe<sub>2</sub>O<sub>3</sub></b>	0,2	%
<b>CaO</b>	1,4	%

**PHYSICAL PROPERTIES**

<b>Classification temperature</b>	1750	°C	ISO 1927-1
<b>Bulk density</b>	<b>Dry 110°C</b>	2,98	Kg./dm <sup>3</sup> ISO 1927-6
<b>Compressive strenght</b>	<b>Dry 110°C</b>	600	Kg./cm <sup>2</sup> ISO 1927-6
	<b>Stew 800°C</b>	460	Kg./cm <sup>2</sup> ISO 1927-6
	<b>Stew 1200°C</b>	580	Kg./cm <sup>2</sup> ISO 1927-6
<b>Permanent Linear Variation</b>	<b>1200°C</b>	0,36	% ISO 1927-6
<b>Thermal conductivity to average temperature</b>	<b>400°C</b>	3,13	W/m.K ISO 1927-8
	<b>800°C</b>	2,90	W/m.K ISO 1927-8
	<b>1200°C</b>	3,02	W/m.K ISO 1927-8
<b>Kneaded water of</b>	7,5	%	ISO 1927-4

**OBSERVATIONS**

Self flowing refractory concrete of very high benefits.  
Excellent 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