

PRODUCT NOT CONFORMED**PYROFLOW-60**

CLASIFICATION ISO 1927-1	Self flowing dense refractory LCC concrete of hydraulic hardening. Base chamotte and bauxite. Application by casting and compaction with rod. Class 1500°C
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REFERENCE	930266	0417	992.RT	GROUP	FAMILY	STANDARD
				NC	65	

AVERAGE CHEMICAL ANALYSIS (Obs "A")

Al₂O₃	60,0	%
SiO₂	35,0	%
Fe₂O₃	1,1	%
Ti₂O	1,2	%
CaO	2,1	%

PHYSICAL PROPERTIES

Classification temperature		1580	°C	ISO 1927-1
Bulk density	Dry 110°C	2,41	Kg./dm ³	ISO 1927-6
Open Porosity	Dry 110°C	16,50	%	ISO 1927-6
Compressive strenght	Dry 110°C	425	Kg./cm ²	ISO 1927-6
	Stew 800°C	560	Kg./cm ²	ISO 1927-6
	Stew 1200°C	850	Kg./cm ²	ISO 1927-6
Reversible linear expansion	1000°C	0,70	%	
Thermal conductivity to average temperature	400°C	1,45	W/m.K	ISO 1927-8
	800°C	1,62	W/m.K	ISO 1927-8
	1200°C	1,97	W/m.K	ISO 1927-8
Kneaded water of		7,5	%	ISO 1927-4

OBSERVATIONS

Self casting refractory concrete of high mechanical resistance in hot.
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/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