| PRODUCT NOT CONFORMED | PYROFLOW-40 |
|---|---|

| | |
|---|---|
| **CLASIFICATION**<br>**ISO 1927-1** | Self flowing dense refractory LCC concrete of hydraulic hardening.<br>Base chamotte.<br>Application by casting and compaction with rod.<br>Class 1400ºC |

| | | | | | | |
|---|---|---|---|---|---|---|
| **REFERENCE** | 937956 | 1119 | 1235.RT | **GROUP** | **FAMILY** | STANDARD |
| | | | | NC | 65 | |

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

| | | |
|---|---|---|
| **Al2O3** | 43,7 | % |
| **SiO2** | 49,8 | % |
| **Fe2O3** | 1,0 | % |
| **CaO** | 2,1 | % |

**PHYSICAL PROPERTIES**

| | | | | |
|---|---|---|---|---|
| **Classification temperature** | | 1400 | °C | ISO 1927-1 |
| **Bulk density** | **Dry 110°C** | 2,27 | Kg./dm3 | ISO 1927-6 |
| **Compressive strenght** | **Dry 110°C** | 470 | Kg./cm2 | ISO 1927-6 |
| | **Stew 800°C** | 615 | Kg./cm2 | ISO 1927-6 |
| | **Stew 1200°C** | 570 | Kg./cm2 | ISO 1927-6 |
| **Permanent Linear Variation** | **1200°C** | - 0,63 | % | ISO 1927-6 |
| **Thermal conductivity to average temperature** | **400°C** | 1,35 | W/m.K | ISO 1927-8 |
| | **800°C** | 1,45 | W/m.K | ISO 1927-8 |
| | **1200°C** | 1,75 | W/m.K | ISO 1927-8 |
| **Kneaded water of** | | 8,0 | % | ISO 1927-4 |
| **Size of the grain** | | 5,0 | mm. | |

**OBSERVATIONS**

Self leveling concrete.
Use forced mixer.
Setting time: 24-48 hours. Depending on the ambient temperature.
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**