



## Fired Shapes

### Product Data

#### PACO 80 FIRED BLOCK

**PACO 80 FIRED BLOCK** is a high alumina, **3300°F service temperature** refractory that is used throughout the steel and other metal producing industries. It is manufactured using Pyrophyllite-Andalusite-Alumina materials which give the product unique **long term hot load resistance** at higher temperatures.

**P.C.E.:** > Cone 37 3310°F (1821°C)

**Long Time Load Test:** **3.5 Percent after 100 hours**  
(Deformation under 25 psi load @ 2600°F)

**Bulk Density:** 157 lbs/ft<sup>3</sup> (2464 kg/m<sup>3</sup>)

**Modulus of Rupture:**  
2500°F (1370°C) 1500-1700 psi (105-119 kg/cm<sup>2</sup>)

**Cold Crushing Strength:**  
2500°F (1370°C) 4000-5000 psi (280-350 kg/cm<sup>2</sup>)

**Reheat Change(%)**  
2700°F (1480°F) -0.1  
2900°F (1600°F) -0.4

**Conductivity or “K” Factor:**

Mean Temp.	BTU/ft <sup>2</sup> /Hr/°F/in	W/mK
1000°F (540°C)	10.0	1.40
1500°F (815°C)	9.8	1.37
2000°F (1095°C)	10.2	1.43

**Chemical Analysis(%):**

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	CaO	MgO	Alk
71.4	24.2	1.3	2.4	0.1	0.1	0.5

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

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