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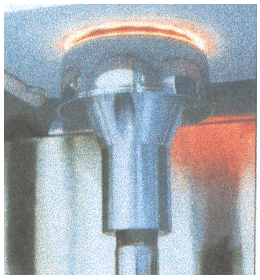
PYROBOARD 55
DATA SHEET

PYROBOARD 55 is a newly developed rigid high strength 99.7% SiO_2 matrix.
It can be considered a real substitute of Sindanyo CS51 per high temperatures.
Engineered and produced with low thermal expansion raw material, PYROBOARD exhibit greater thermal shock resistance than aluminia matrix composites and high temperature calcium silicate matrix materials. It retains 96% of original strength throughout 1000°C, it is 100% inorganic and undergoes little or no outgassing on heating. PYROBOARD is not wet by molten aluminum.
It consists of SiO_2 99%, Al_2O_3 0,1%, Organic 0%

APPLICATIONS:



- Structural insulation on furnaces and ovens
- Insulator in hot presses to 2000°F
- Diamond sawblade segments; Powder metal hot pressing/ sintering
- **Primary insulation in induction brazing equipment to 2000° F:**
- **Induction brazing of stainless steel cookware**
- Molten non ferrous metal contact
- Hot glass handling

AVAILABILITY:

- In sheets mm 1220x910 in thickness mm 6-9-12-15-20-25

CHARACTERISTICS:

• Density:	1,71 g/cm3
• Maximum use temperature:	1100 °C
• Charpy Impact Strength	8-10 FtLb/In
• Compressive Strength	9500 psi
• Flexural Strength	4300 psi
• Hardness, Durometer D	87
• Thermal expansion coefficient	$0,3x10^{-6}$ /°C
• Thermal Conductivity 800°C: 0,67W/mK	at 1000°C 0,75 W/mK
• Maximum use temperature	1100°C (2012°F)