



FIBRECAST PC

FibreCast PC BLANKET is a Polycrystalline Mullite/Alumina high temperature 2912 °F (1600 °C) Wool with excellent workability and resiliency. These blankets contain no binders or additives which may result in off-gassing upon heating.

FibreCast PC BLANKET contains no shot and is RCF free, making it a suitable choice for areas which prohibit these items. Excellent resistance to most corrosive agents, and stable in both oxidizing and reducing atmospheres. FC-Blankets have excellent needling and high tensile strengths resulting in excellent workability and durability.



TECHNICAL COMPARISON

	PC
Colour	White
Temperature Grade	2912°F (1600°C)
Recommended Operating Temperature	2912°F (1600°C)
Melting Point	3400°F (1871°C)
Density Available pcf (kg/m3)	6, 8 (96, 128)
Linear Shrinkage 24h	@2732°F (1500°C) 0.8%
Chemical Composition	
Al ₂ O ₃	72.0%
SiO ₃	27.7%
MgO	-
ZrO ₂	-
CaO	-
Other	<1%

FIBRECAST PC MODULE

FIBRECAST PC Modules are available in standard 12" x 12" dimensions or in custom module arrangements, as per project requirements. Modules are compressed using Masonite compression plate and strapped.

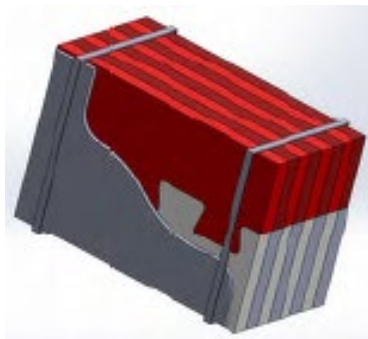
Available with Pre Welded Stud, Speed Weld or No Internal Hardware system.



BENEFITS

- ✓ RCF-Free and Shot-Free
- ✓ Low Thermal Conductivity
- ✓ Excellent Tensile Strength
- ✓ Excellent Thermal Shock Resistance
- ✓ Excellent Thermal Stability
- ✓ Excellent Hot Strength
- ✓ Very Low Heat Storage
- ✓ Excellent Corrosion Resistance
- ✓ Excellent Chemical Stability
- ✓ High Heat Reflectance

FIBRECAST COMBI MODULE



Reduce the cost of your full thickness 1600 °C (3000 °F) module with FC-Combi Module . A hot face of 1600 °C Polycrystalline Fiber, custom cut and matched with a standard RCF blanket cold face. This optimizes the cost structure of the FC-Combi Module by having the Polycrystalline fiber only where it is required.

Note: During the initial heat up of FC Boards and Shapes, a small amount of organic binder will start to burn out at approximately 450 °F/232 °C. Once this material has burned off, there will be no further off-gassing. Caution should be exercised during this period. Organic free products are available. The recommended operating temperature is determined by irreversible linear change, not the melting point. Store in a manner to minimize airborne dust. Data is based on results of tests conducted under standard conditions. Results are subject to variation. Results are presented as a guide only.