

Pyro-Log & Pyro-Packing Ceramic Fiber

PYRO-LOG™ FIBER

R GRADE

ZR GRADE

C GRADE

- Monolithic log of 6 to 8 inch thick refractory ceramic fiber
- Available densities up to 15 pcf
- Fully needled - no adhesives

Pyro-Log is an uncompressed monolithic mass of ceramic fiber. Pyro-Log fiber is available in 6" and 8" thicknesses with densities up to 15 pcf. Manufactured in three temperature grades, R, ZR and C, the Pyro-Log fiber can be used in a wide range of applications. Pyro-Log fiber is the basic building block for all Pyro-Bloc applications.

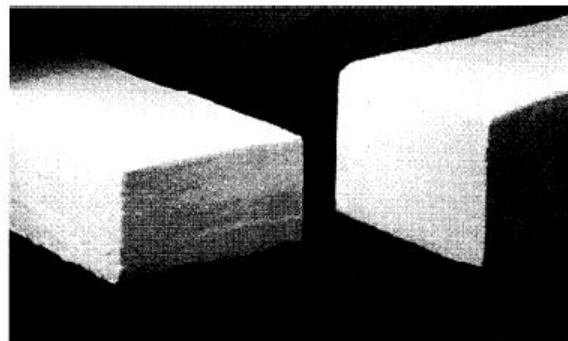
All Pyro-Log fiber is produced with a special lubricant that allows the fibers to be intensely needled to attain densities up to 15 pcf. This lubricant also adds pliability which allows true multidirectional compression during installation. At moderate temperatures this lubricant burns out and the fiber becomes rigid enough to stand on. This feature, unique to Pyro-Log fiber, assists during installation and provides the durability and toughness necessary for long life.

PYRO-PACKING

R GRADE ZR GRADE C GRADE

- Manufactured from Pyro-Log™ Fiber
- Used to fill small gaps impractical for standard module shapes
- Available in uncompressed densities from 8 - 15 pcf
- Matches packing with density of surrounding Pyro-Bloc® Module Lining

Pyro-Packing is used to fill gaps or small spaces in ceramic fiber module linings where standard shapes are not practical or cost effective. Manufactured by cutting pieces of monolithic Pyro-Log, Pyro-Packing is available in R Grade, ZR Grade and now in C Grade. Densities range from 8 pcf to 15 pcf which better match the surrounding Pyro-Bloc lining and offers higher densities when compared to traditional ceramic fiber blanket packing. A typical application would be to fill gaps or small spaces where standard shapes are not practical.



Typical Applications

- Low mass kiln cars
- Fired heater floors
- Back up insulation for insulating firebrick and castable lining
- Fill gaps or small spaces where standard shapes are not practical

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Physical Properties	Pyro-Log Grades			Pyro-Packing Grades		
	R	ZR	C**	R	ZR	C
Color.....	white	white	green/blue	white	white	green/blue
Density, pcf.....	8,10,12,15	10,12,15	10,12,15	8,10,12,15	10,12,15	10,12,15
Maximum temperature rating, °F.....	2400	2600	2600	2400	2600	2600
Melting point, °F.....	3200	3200	3200	3200	3200	3200
Continuous use limit up to °F***.....	2200	2450	2500	2200	2450	2500
* Other log thicknesses available by request.						
** C Grade Pyro-Log not available in 8" or 16" log length.						
Chemical Analysis, (Nominal, %)						
Alumina, Al ₂ O ₃	47	37.5	43	47	37.5	43
Silica, SiO ₂	53	47	54	53	47	54
Zirconia, ZrO ₂	-	15.5	-	-	15.5	-
Chromia, Cr ₂ O ₃	-	-	3	-	-	3
Other.....	trace	trace	trace	trace	trace	trace
Standard Sizes						
Thickness, in.....	6,8	6,8	6	1	1	1
Width, in.....	12,16	12,16	12	12,16	12,16	12
Length, in.....	2-12	2-12	2-12	2-12	2-12	2-12
Thermal Conductivity, BTU•in/hr•°F (ASTM C 201) for Pyro-Log and Pyro Packing***						
Mean temperature	8 pcf	10 pcf	12 pcf	15pcf		
@ 500°F.....	0.53	0.52	0.50	0.49		
@ 1000°F.....	1.13	1.04	0.96	0.84		
@ 1500°F.....	1.97	1.81	1.66	1.43		
@ 2000°F.....	2.95	2.69	2.45	2.19		
***Edge grain orientation						

Download Detailed Product Data Sheet: [Pyro-Log Fiber](#)

Other Related Website Links:

- Ceramic Fiber Blanket
- Ceramic Fiber Board
- Ceramic Fiber Bulk
- Ceramic Fiber Paper

*** [Click here to request a quote for Pyro-Log or Pyro-Packing Fiber](#) ***

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