

CERAMIC FIBER BLANKET

CFB-1100, CFB-1260, B-1260HP, CFB-1350, CFB-1430

1430°C max

6-50 mm thk

64- 160 kg/m³

Fibertherm™ ceramic fiber blankets perform greatly in thermal insulation and refractory linings due to its advanced long spun fiber needling production technique, the blanket is characterized by superior chemical stability, low heat loss, superior resistance to thermal shock, good acoustic and thermal insulation.

Multiple choices on density and dimension prop up the fine insulating performance in various industrial applications.



Fibertherm™ Ceramic Fiber Blanket Data Sheet

Technical Items	CFB1100 / CFB2000	CFB1260 / CFB2300	B1260HP/ B2300HP
Classification Temperature	1100°C (2012 °F)	1260°C (2300 °F)	1260°C (2300 °F)
Working temperature limit	950°C (1742 °F)	1000°C (1832 °F)	1150°C (2100 °F)
Melting Point	1760°C (3200 °F)	1760°C (3200 °F)	1760°C (3200 °F)
Permanent Linear Shrinkage (24 Hours at temperature)	2.5% 900°C (1652 °F)	2.5% 1000°C (1832 °F)	2.2% 1100°C (2012 °F)

Typical Density

	96	128	64	96	128	160	64	96	128	160
kg/m ³	96	128	64	96	128	160	64	96	128	160
lb/ft ³	6	8	4	6	8	10	4	6	8	10
Tensile Strength(Kpa)	40	60	40	55	65	75	45	60	70	80
Psi	6	9	6	8	9	11	7	9	10	12

Thermal Conductivity-W/mk (BTU.in/hr/ft²/°F)

600°C (1112°F)	0.19	0.18	0.20	0.19	0.18	0.17	0.19	0.18	0.16	0.15
800°C (1472°F)	0.31	0.28	0.30	0.28	0.25	0.21	0.29	0.26	0.23	0.19
1000°C (1832°F)	-	-	0.40	0.39	0.35	0.32	0.39	0.37	0.31	0.29
	2.15	1.94	2.08	1.94	1.73	1.46	2.01	1.80	1.59	1.32
	-	-	2.77	2.70	2.43	2.22	2.70	2.57	2.15	2.01

Chemical Composition (%)

Al ₂ O ₃	42-45	44-50	45-50
SiO ₂	50-58	52-56	54-58
Fe ₂ O ₃	0.9	0.6	-
AlKalis	0.4	0.3	0.1

Technical Items	CFB1430/CFB2600	CFB1350/ CFB2460
Classification Temperature	1430°C (2600 °F)	1350°C (2460 °F)
Working temperature limit	1350°C (2462 °F)	1200°C (2192 °F)
Melting Point	1760°C (3200 °F)	1760°C (3200 °F)
Permanent Linear Shrinkage (24 Hours at temperature)	2.2% 1300°C (2372 °F)	2.1% 1150°C (2102 °F)

Typical Density

	64	96	128	160	64	96	128	160
kg/m ³	64	96	128	160	64	96	128	160
lb/ft ³	4	6	8	10	4	6	8	10
Tensile Strength(Kpa)	45	55	65	80	45	60	70	85
Psi	7	8	9	12	7	9	10	12

Thermal Conductivity-W/mk (BTU.in/hr/ft²/°F)

600°C (1112°F)	0.23	0.21	0.18	0.17	0.20	0.19	0.18	0.16
800°C (1472°F)	0.29	0.25	0.24	0.21	0.30	0.28	0.25	0.22
1000°C (1832°F)	0.38	0.36	0.32	0.28	0.39	0.38	0.35	0.30
	1.59	1.46	1.25	1.18	1.39	1.32	1.25	1.11
	2.01	1.73	1.66	1.46	2.08	1.94	1.73	1.53
	2.63	2.50	2.22	1.94	2.70	2.63	2.43	2.08

Chemical Composition (%)

Al ₂ O ₃	32-36	47-49
SiO ₂	50-55	50-55
Fe ₂ O ₃	0.2	0.3
ZrO ₂	15-17	0
AlKalis	0.2	0.2

The technical data herein are typical average values based on the commonly-accepted test methods and are subject to normal variations by production lots. It is supplied as a technical service and are subject to change without notice, the data contained herein should not be used for specification purposes or contractual obligation. Check with us for latest information

Ceramic Fiber Blanket - 1100°

- Cost effective spun wool blanket with 1100°C classification temperature
- High resilience, good thermal shock resistance and low heat loss
- Chemical stability, good thermal and acoustic performance
- Reliable backup insulation materials in furnace linings



Products Description							Shipment	Note
Temperature	Density	Length	Width	Thickness	Weight	Product Code	each 40'HC	
°C	kg/m ³	mm	mm	mm	Kgs / Roll	Code	Rolls	
1100	64	14,640	610	13	7.43	CFB1100 064 A 13	525	
		14,640	1,220	13	14.86	CFB1100 064 B 13	260	
		7,320	610	25	7.14	CFB1100 064 A 25	525	
		7,320	1,220	25	14.29	CFB1100 064 B 25	260	
		4,880	610	38	7.23	CFB1100 064 A 38	525	
		4,880	1,220	38	14.48	CFB1100 064 B 38	260	
		3,660	610	50	7.14	CFB1100 064 A 50	525	
		3,660	1,220	50	14.29	CFB1100 064 B 50	260	
	96	14,640	610	13	11.14	CFB1100 096 A 13	525	
		14,640	1,220	13	22.29	CFB1100 096 B 13	260	
		9,760	610	19	10.85	CFB1100 096 A 19	525	
		9,760	1,220	19	21.72	CFB1100 096 B 19	260	
		7,320	610	25	10.71	CFB1100 096 A 25	525	
		7,320	1,220	25	21.43	CFB1100 096 B 25	260	
		4,880	610	38	10.85	CFB1100 096 A 38	525	
		4,880	1,220	38	21.72	CFB1100 096 B 38	260	
	128	3,660	610	50	10.71	CFB1100 096 A 50	525	
		3,660	1,220	50	21.43	CFB1100 096 B 50	260	
		7,200	610	6	3.37	CFB1100 128 A 06	2,100	M50
		7,200	1,220	6	6.75	CFB1100 128 B 06	1,050	M50
		14,640	610	13	14.85	CFB1100 128 A 13	525	
		14,640	1,220	13	29.72	CFB1100 128 B 13	260	
		9,760	610	19	14.47	CFB1100 128 A 19	525	
		9,760	1,220	19	28.96	CFB1100 128 B 19	260	
	160	7,320	610	25	14.28	CFB1100 128 A 25	525	
		7,320	1,220	25	28.58	CFB1100 128 B 25	260	
		4,880	610	38	14.47	CFB1100 128 A 38	525	
		4,880	1,220	38	28.96	CFB1100 128 B 38	260	
		3,660	610	50	14.28	CFB1100 128 A 50	525	
		3,660	1,220	50	28.58	CFB1100 128 B 50	260	
		7,200	610	6	4.21	CFB1100 160 A 06	2,100	M50
		7,200	1,220	6	8.43	CFB1100 160 B 06	1,050	M50
		14,640	610	13	18.56	CFB1100 160 A 13	525	
		14,640	1,220	13	37.15	CFB1100 160 B 13	260	
		9,760	610	19	18.09	CFB1100 160 A 19	525	
		9,760	1,220	19	36.20	CFB1100 160 B 19	260	
7,320		610	25	17.85	CFB1100 160 A 25	525		
7,320		1,220	25	35.72	CFB1100 160 B 25	260		
4,880		610	38	18.09	CFB1100 160 A 38	525		
4,880		1,220	38	36.20	CFB1100 160 B 38	260		
	3,660	610	50	17.85	CFB1100 160 A 50	525		
	3,660	1,220	50	35.72	CFB1100 160 B 50	260		

Notes:

- Standard package is carton box for all blankets
- Package with customer branding is available
- M50 means minimum order quantity with 50 rolls

Ceramic Fiber Blanket - 1260°

- Standard kaolin wool and needling blanket with 1260°C classification temperature
- High resilience, good thermal shock resistance and low thermal conductivity
- Low shot content and irritation, chemical stability, wide choices on density and dimensions
- Extensively used in various industrial furnaces, equipments and heat shields



Products Description							Shipment	Note
Temperature	Density	Length	Width	Thickness	Weight	Product Code	each 40'HC	
°C	kg/m ³	mm	mm	mm	Kgs / Roll	Code	Rolls	
1260	64	14,640	610	13	7.43	CFB1260 064 A 13	525	
		14,640	1,220	13	14.86	CFB1260 064 B 13	260	
		7,320	610	25	7.14	CFB1260 064 A 25	525	
		7,320	1,220	25	14.29	CFB1260 064 B 25	260	
		4,880	610	38	7.23	CFB1260 064 A 38	525	
		4,880	1,220	38	14.48	CFB1260 064 B 38	260	
		3,660	610	50	7.14	CFB1260 064 A 50	525	
		3,660	1,220	50	14.29	CFB1260 064 B 50	260	
	96	14,640	610	13	11.14	CFB1260 096 A 13	525	
		14,640	1,220	13	22.29	CFB1260 096 B 13	260	
		9,760	610	19	10.85	CFB1260 096 A 19	525	
		9,760	1,220	19	21.72	CFB1260 096 B 19	260	
		7,320	610	25	10.71	CFB1260 096 A 25	525	
		7,320	1,220	25	21.43	CFB1260 096 B 25	260	
		4,880	610	38	10.85	CFB1260 096 A 38	525	
		4,880	1,220	38	21.72	CFB1260 096 B 38	260	
	128	3,660	610	50	10.71	CFB1260 096 A 50	525	
		3,660	1,220	50	21.43	CFB1260 096 B 50	260	
		7,200	610	6	3.37	CFB1260 128 A 06	2,100	M50
		7,200	1,220	6	6.75	CFB1260 128 B 06	1,050	M50
		14,640	610	13	14.85	CFB1260 128 A 13	525	
		14,640	1,220	13	29.72	CFB1260 128 B 13	260	
		9,760	610	19	14.47	CFB1260 128 A 19	525	
		9,760	1,220	19	28.96	CFB1260 128 B 19	260	
	160	7,320	610	25	14.28	CFB1260 128 A 25	525	
		7,320	1,220	25	28.58	CFB1260 128 B 25	260	
		4,880	610	38	14.47	CFB1260 128 A 38	525	
		4,880	1,220	38	28.96	CFB1260 128 B 38	260	
		3,660	610	50	14.28	CFB1260 128 A 50	525	
		3,660	1,220	50	28.58	CFB1260 128 B 50	260	
		7,200	610	6	4.21	CFB1260 160 A 06	2,100	M50
		7,200	1,220	6	8.43	CFB1260 160 B 06	1,050	M50
	160	14,640	610	13	18.56	CFB1260 160 A 13	525	
		14,640	1,220	13	37.15	CFB1260 160 B 13	260	
		9,760	610	19	18.09	CFB1260 160 A 19	525	
		9,760	1,220	19	36.20	CFB1260 160 B 19	260	
		7,320	610	25	17.85	CFB1260 160 A 25	525	
		7,320	1,220	25	35.72	CFB1260 160 B 25	260	
		4,880	610	38	18.09	CFB1260 160 A 38	525	
		4,880	1,220	38	36.20	CFB1260 160 B 38	260	
		3,660	610	50	17.85	CFB1260 160 A 50	525	
		3,660	1,220	50	35.72	CFB1260 160 B 50	260	

Notes:

- Standard package is carton box for all blankets
- Package with customer branding is available
- M50 means minimum order quantity with 50 rolls

Ceramic Fiber Blanket - 1260°HP

- High purity double needled spun wool blanket with 1260°C classification temperature
- High tensile strength, good thermal shock resistance and low thermal conductivity
- Low heating shrinkage, chemical stability, wide choices on density and dimensions
- Extensively used in various industrial furnaces, fire production and heat insulation



Products Description							Shipment	Note
Temperature	Density	Length	Width	Thickness	Sq. Meter	Product Code	each 40'HC	
°C	kg/m ³	mm	mm	mm	m ² / roll	Code	Rolls	
1260HP	64	14,640	610	13	8.92	B1260HP 064 A 13	525	
		14,640	1,220	13	17.86	B1260HP 064 B 13	260	
		7,320	610	25	4.46	B1260HP 064 A 25	525	
		7,320	1,220	25	8.93	B1260HP 064 B 25	260	
		4,880	610	38	2.97	B1260HP 064 A 38	525	
		4,880	1,220	38	5.95	B1260HP 064 B 38	260	
		3,660	610	50	2.23	B1260HP 064 A 50	525	
		3,660	1,220	50	4.47	B1260HP 064 B 50	260	
	96	14,640	610	13	8.92	B1260HP 096 A 13	525	
		14,640	1,220	13	17.86	B1260HP 096 B 13	260	
		9,760	610	19	5.95	B1260HP 096 A 19	525	
		9,760	1,220	19	11.91	B1260HP 096 B 19	260	
		7,320	610	25	4.46	B1260HP 096 A 25	525	
		7,320	1,220	25	8.93	B1260HP 096 B 25	260	
		4,880	610	38	2.97	B1260HP 096 A 38	525	
		4,880	1,220	38	5.95	B1260HP 096 B 38	260	
	128	3,660	610	50	2.23	B1260HP 096 A 50	525	
		3,660	1,220	50	4.47	B1260HP 096 B 50	260	
		7,200	610	6	4.39	B1260HP 128 A 06	2,100	M50
		7,200	1,220	6	8.78	B1260HP 128 B 06	1,050	M50
		14,640	610	13	8.92	B1260HP 128 A 13	525	
		14,640	1,220	13	17.86	B1260HP 128 B 13	260	
		9,760	610	19	5.95	B1260HP 128 A 19	525	
		9,760	1,220	19	11.91	B1260HP 128 B 19	260	
	160	7,320	610	25	4.46	B1260HP 128 A 25	525	
		7,320	1,220	25	8.93	B1260HP 128 B 25	260	
		4,880	610	38	2.97	B1260HP 128 A 38	525	
		4,880	1,220	38	5.95	B1260HP 128 B 38	260	
		3,660	610	50	2.23	B1260HP 128 A 50	525	
		3,660	1,220	50	4.47	B1260HP 128 B 50	260	
		7,200	610	6	4.39	B1260HP 160 A 06	2,100	M50
		7,200	1,220	6	8.78	B1260HP 160 B 06	1,050	M50
		14,640	610	13	8.92	B1260HP 160 A 13	525	
		14,640	1,220	13	17.86	B1260HP 160 B 13	260	
		9,760	610	19	5.95	B1260HP 160 A 19	525	
		9,760	1,220	19	11.91	B1260HP 160 B 19	260	
7,320		610	25	4.46	B1260HP 160 A 25	525		
7,320		1,220	25	8.93	B1260HP 160 B 25	260		
4,880		610	38	2.97	B1260HP 160 A 38	525		
4,880		1,220	38	5.95	B1260HP 160 B 38	260		
	3,660	610	50	2.23	B1260HP 160 A 50	525		
	3,660	1,220	50	4.47	B1260HP 160 B 50	260		

Notes:

- Standard package is carton box for all blankets
- Package with customer branding is available
- M50 means minimum order quantity with 50 rolls

Ceramic Fiber Blanket - 1350°

- High alumina spun wool and needling blanket with 1350°C classification temperature
- High resilience, good thermal shock resistance and low thermal conductivity
- Low shot content and irritation, chemical stability, no partition and easy handling
- Extensively used in various high temperature industrial furnaces, equipments and heat shields



Products Description							Shipment	Note
Temperature	Density	Length	Width	Thickness	Weight	Product Code	each 40'HC	
°C	kg/m ³	mm	mm	mm	Kgs / Roll	Code	Rolls	
1350	64	14,640	610	13	7.43	CFB1350 064 A 13	525	
		14,640	1,220	13	14.86	CFB1350 064 B 13	260	
		7,320	610	25	7.14	CFB1350 064 A 25	525	
		7,320	1,220	25	14.29	CFB1350 064 B 25	260	
		4,880	610	38	7.23	CFB1350 064 A 38	525	
		4,880	1,220	38	14.48	CFB1350 064 B 38	260	
		3,660	610	50	7.14	CFB1350 064 A 50	525	
		3,660	1,220	50	14.29	CFB1350 064 B 50	260	
	96	14,640	610	13	11.14	CFB1350 096 A 13	525	
		14,640	1,220	13	22.29	CFB1350 096 B 13	260	
		9,760	610	19	10.85	CFB1350 096 A 19	525	
		9,760	1,220	19	21.72	CFB1350 096 B 19	260	
		7,320	610	25	10.71	CFB1350 096 A 25	525	
		7,320	1,220	25	21.43	CFB1350 096 B 25	260	
		4,880	610	38	10.85	CFB1350 096 A 38	525	
		4,880	1,220	38	21.72	CFB1350 096 B 38	260	
	128	3,660	610	50	10.71	CFB1350 096 A 50	525	
		3,660	1,220	50	21.43	CFB1350 096 B 50	260	
		7,200	610	6	3.37	CFB1350 128 A 06	2,100	M50
		7,200	1,220	6	6.75	CFB1350 128 B 06	1,050	M50
		14,640	610	13	14.85	CFB1350 128 A 13	525	
		14,640	1,220	13	29.72	CFB1350 128 B 13	260	
		9,760	610	19	14.47	CFB1350 128 A 19	525	
		9,760	1,220	19	28.96	CFB1350 128 B 19	260	
	160	7,320	610	25	14.28	CFB1350 128 A 25	525	
		7,320	1,220	25	28.58	CFB1350 128 B 25	260	
		4,880	610	38	14.47	CFB1350 128 A 38	525	
		4,880	1,220	38	28.96	CFB1350 128 B 38	260	
		3,660	610	50	14.28	CFB1350 128 A 50	525	
		3,660	1,220	50	28.58	CFB1350 128 B 50	260	
		7,200	610	6	4.21	CFB1350 160 A 06	2,100	M50
		7,200	1,220	6	8.43	CFB1350 160 B 06	1,050	M50
	160	14,640	610	13	18.56	CFB1350 160 A 13	525	
		14,640	1,220	13	37.15	CFB1350 160 B 13	260	
		9,760	610	19	18.09	CFB1350 160 A 19	525	
		9,760	1,220	19	36.20	CFB1350 160 B 19	260	
		7,320	610	25	17.85	CFB1350 160 A 25	525	
		7,320	1,220	25	35.72	CFB1350 160 B 25	260	
		4,880	610	38	18.09	CFB1350 160 A 38	525	
		4,880	1,220	38	36.20	CFB1350 160 B 38	260	
		3,660	610	50	17.85	CFB1350 160 A 50	525	
		3,660	1,220	50	35.72	CFB1350 160 B 50	260	

Notes:

- Standard package is carton box for all blankets
- Package with customer branding is available
- M50 means minimum order quantity with 50 rolls

Ceramic Fiber Blanket - 1430°

- High zircon spun wool and needling blanket with 1430°C classification temperature
- High working temperature resistance, good tensile strength and low thermal conductivity
- Low heating shrinkage, chemical stability, wide choices on blanket density and dimensions
- Extensively used in various high temperature industrial furnaces, equipments and heat shields



Products Description							Shipment	Note
Temperature	Density	Length	Width	Thickness	Weight	Product Code	each 40'HC	
°C	kg/m ³	mm	mm	mm	Kgs / Roll	Code	Rolls	
1430	64	14,640	610	13	7.43	CFB1430 064 A 13	525	
		14,640	1,220	13	14.86	CFB1430 064 B 13	260	
		7,320	610	25	7.14	CFB1430 064 A 25	525	
		7,320	1,220	25	14.29	CFB1430 064 B 25	260	
		4,880	610	38	7.23	CFB1430 064 A 38	525	
		4,880	1,220	38	14.48	CFB1430 064 B 38	260	
		3,660	610	50	7.14	CFB1430 064 A 50	525	
		3,660	1,220	50	14.29	CFB1430 064 B 50	260	
	96	14,640	610	13	11.14	CFB1430 096 A 13	525	
		14,640	1,220	13	22.29	CFB1430 096 B 13	260	
		9,760	610	19	10.85	CFB1430 096 A 19	525	
		9,760	1,220	19	21.72	CFB1430 096 B 19	260	
		7,320	610	25	10.71	CFB1430 096 A 25	525	
		7,320	1,220	25	21.43	CFB1430 096 B 25	260	
		4,880	610	38	10.85	CFB1430 096 A 38	525	
		4,880	1,220	38	21.72	CFB1430 096 B 38	260	
	128	3,660	610	50	10.71	CFB1430 096 A 50	525	
		3,660	1,220	50	21.43	CFB1430 096 B 50	260	
		7,200	610	6	3.37	CFB1430 128 A 06	2,100	M50
		7,200	1,220	6	6.75	CFB1430 128 B 06	1,050	M50
		14,640	610	13	14.85	CFB1430 128 A 13	525	
		14,640	1,220	13	29.72	CFB1430 128 B 13	260	
		9,760	610	19	14.47	CFB1430 128 A 19	525	
		9,760	1,220	19	28.96	CFB1430 128 B 19	260	
	160	7,320	610	25	14.28	CFB1430 128 A 25	525	
		7,320	1,220	25	28.58	CFB1430 128 B 25	260	
		4,880	610	38	14.47	CFB1430 128 A 38	525	
		4,880	1,220	38	28.96	CFB1430 128 B 38	260	
		3,660	610	50	14.28	CFB1430 128 A 50	525	
		3,660	1,220	50	28.58	CFB1430 128 B 50	260	
		7,200	610	6	4.21	CFB1430 160 A 06	2,100	M50
		7,200	1,220	6	8.43	CFB1430 160 B 06	1,050	M50
		14,640	610	13	18.56	CFB1430 160 A 13	525	
		14,640	1,220	13	37.15	CFB1430 160 B 13	260	
		9,760	610	19	18.09	CFB1430 160 A 19	525	
		9,760	1,220	19	36.20	CFB1430 160 B 19	260	
		7,320	610	25	17.85	CFB1430 160 A 25	525	
		7,320	1,220	25	35.72	CFB1430 160 B 25	260	
		4,880	610	38	18.09	CFB1430 160 A 38	525	
		4,880	1,220	38	36.20	CFB1430 160 B 38	260	
		3,660	610	50	17.85	CFB1430 160 A 50	525	
		3,660	1,220	50	35.72	CFB1430 160 B 50	260	

Notes:

- Standard package is carton box for all blankets
- Package with customer branding is available
- M50 means minimum order quantity with 50 rolls