

Ceramic Fiber Veneer



Properties

Ceramic fiber veneers are made from ceramic fiber blanket, provide a fast and simple insulation for various types of heat processing equipment, can be used as furnace lining or as a veneer in units already having a refractory lining in satisfactory condition with T15. The veneers display very low thermal conductivity, excellent thermal shock resistance, low heat storage and good sound absorption.

Physical Properties

	RT-1260	HP-1260	MZ-1400	CZ-1430	CC-1500
Color	White	White	White	White	Blue/Green
Density (Kg/m ³)	160,176,192	160,176,192	160,176,192	160,176,192	160,176,192
Max.Temp. (°C)	1260	1300	1400	1430	1500
Melting Point (°C)	1760	1800	1740	1740	1760
Liner Shrinkage (24hr%)	3(1200°C'de)	3(1300°C'de)	3(1350°C'de)	3(1400°C'de)	3(1450°C'de)
Thermal conductivity (W/m.K) Mean Temp. 176 kg/m ³	600°C	0.11	-	-	-
	800°C	0.17	0.17	0.17	0.17
	1000°C	0.23	0.24	0.24	0.24
	1200°C	-	0.32	0.32	0.32
Thermal conductivity (W/m.K) Mean Temp. 176 kg/m ³	600°C	0.10	-	-	-
	800°C	0.14	0.14	0.14	0.14
	1000°C	0.18	0.18	0.18	0.18
	1200°C	-	0.28	0.28	0.28

Chemical Analysis

Al ₂ O ₃	46	49	40	33	43
SiO ₂	52	50	49	49	54
ZrO ₂	-	-	10	17	-
Cr ₂ O ₃	-	-	-	-	3
TiO ₂	0.5	0.2	-	-	-
Fe ₂ O ₃	0.3	0.1	0.1	0.1	-
Na ₂ O+K ₂ O	.03	0.3	0.3	0.2	0.2

Typical Applications

- Forge furnaces
- Crucible furnace
- Rotary hearth furnace
- Holding furnace
- Heat treating furnace
- Reheat furnace
- Ceramic kiln
- Oil heaters
- Process heaters
- Preheating furnaces
- Crude oil heaters
- Fume incinerators
- Tunnel kilns
- Boilers
- Shuttle kilns
- Annealing furnaces
- Homogenizing furnaces

Advantages

- High heat reflectance
- Low thermal conductivity
- Thermal shock resistance
- Excellent corrosion resistance
- Excellent thermal stability
- Good insulating properties
- Easily installed over existing refractory surface

Availability

- 300 x 300 x 50-100 mm
- Other densities and sizes available upon request.

Bu bilgiler, de i ebilen tipik özellikleri temsil etmektedir ve spesifikasyon amacıyla kullanılmamalıdır.
This data represents typical properties subject to variations and should not to be used for specification purposes.